#### Taking Lehigh to the World and Bringing the World to Lehigh



### Iacocca International Internship Program

### Student Report



Summer 2019

# 🗑 LEHIGH UNIVERSITY | 🖁



#### 2019 Heiskell Award Winner: Student Mobility

Lehigh University's Iacocca International Internship Program honored for combining global learning and professional experience.



Lehigh's lacocca International Internship Program received the 2019 Andrew Heiskell Award for Innovation in International Education from the Institute for International Education (IIE) for student mobility. The annual award recognizes the most innovative and impactful models for internationalization of campuses, study abroad, and international partnership programs. IIE recognizes initiatives that remove institutional barriers and broaden the base of participation in international teaching and learning on campus. IIE is a not-for-profit with 18 offices and affiliates worldwide that focuses on international student exchange and foreign affairs. IIE collaborates with a range of corporate, government and foundation partners across the globe to design and manage scholarship, study abroad, workforce training and leadership development programs.

IIE honored Lehigh University's lacocca International Internship Program as a leader in student mobility for giving students a competitive advantage in the job market by providing professional experiential learning in the global marketplace.

"To thrive in the global economy, students need access to international experiences during their college career" said Clare Overmann, head of IIE's Higher Education Initiatives. "We congratulate this year's Heiskell Award winners for their outstanding success in providing new and innovative international education opportunities to their students."

The lacocca International Internship Program (IIIP) sends students to live and work overseas for six to 12 weeks in the summer, where they gain professional experience while learning to navigate a different culture. It began in 2011 with a principal gift from Lee lacocca '45 on the belief that working abroad is a significant intercultural learning experience and gives students a competitive advantage in the global workforce.

"As part of Lehigh's long-standing commitment to experiential learning, IIIP is one of the university's signature international programs," says Cheryl Matherly, vice president and vice provost for internationalization. "We know that real-world opportunities for students to apply knowledge, like those provided through this program, help deepen their learning and prepare them to engage with the world after graduation."

The internships are fully funded, and the program prioritizes students who have high financial need or have never been abroad before, helping make international experiences accessible to all students. The program has grown rapidly—to date, 486 students have worked in 46 countries.

"This program has flourished under the direction of Carol Ham," says Matherly. "She has built the program from the start and now serves as a leader in the field of international internships."

"My sister, Kate Hentz, and I are delighted with this news of the Iacocca Internship Program being honored in this way," says Lia Iacocca Assad, daughter of Lee Iacocca and a member of the Lehigh University Board of Trustees. "Our father had a vision to provide Lehigh students with a work abroad, world class experience that would prepare them for a career in an increasingly global and complex world. Being globally and culturally competent is essential for a successful career and we could not be more proud of how our father's vision became a reality through this program at Lehigh University."



lacocca International Internship Program

#### In Memory of Mr. Lee lacocca '45 (1924-2019)

Mr. Lee Iacocca endowed the Iaocca International Internship Program in 2011. During a Lehigh reception that year, Mr. Iacocca told those gathered that he discovered a few truths over the course of a long and fortunate life. "The secret is to live long and enjoy life. Part of enjoying life is giving back. And take it from me, giving back really does make you happy."

Since the inception of the Iacocca International Internship Program, nearly 600 students have lived and worked in 50 countries across 5 continents. During Summer 2019, 80 students interned in 32 countries. The following pages of this IIIP Student Report depict the wide variety of student experiences. Students intern in research labs, large multinational organizations, start-ups, and small community organizations. They live in apartments, student dormitories and homestays. The majority of IIIP students have to overcome a language barrier in their work and personal life.

IIIP internships enable students to gain valuable real-world experience, develop intercultural competency, build their confidence in new situations and prepare for employment in a global marketplace. You will see in the following pages how students' experiences change their lives, inform their career choices and shape their identities.

Mr. lacocca was ahead of his time in recognizing the value of experiential learning abroad before it became popular in the field of International Education. Students across the globe are increasingly seeking experiential learning abroad opportunities. Because of Mr. lacocca's foresight, Lehigh is currently in its 9<sup>th</sup> year of offering this distinctive program. Mr. lacocca's intention was for this program to target students who have financial need and/or who have never had an international experience.

Mr. lacocca's legacy lives on through the careers of the lacocca Intern Alumni. Thank you Mr. Lee lacocca for envisioning and endowing the lacocca International Internship Program.



Rest in Peace, Lee.

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# Aisha Abdulkarimu

Latvia

College of Arts & Sciences Biology

Transparency International Latvia, DELNA Intern

<u>Company and Position Description</u>: I interned at Transparency International Latvia, which is an anti-corruption non-governmental organization based in the middle of Riga. Headed by Liene Gatere, the executive director, this office believes fighting corruption will help deal with other problems the nation faces. Latvia joined the European Union in 2004 and from there became a democratic country but still faces a lot of issues practicing democracy.

The purpose of Transparency International is to fight corruption and increase transparency and a culture of integrity. Most of their activities focus on legislation changes, advocacy involving whistleblowing, and lobbying laws. Anti-corruption efforts are essential because corruption steals money from the people that could go towards schools, healthcare, and more. In the office, my tasks included researching datasets, providing edits on English translated documents, updating the website, and utilizing Microsoft office to note research. This experience allowed me to use my skills and strengths and put them towards the efforts of fighting corruption. Transparency International Latvia's signature event, the Vasaras Skola (summer school), is hosted for all ages to learn more about corruption and anti-corruption efforts. Participants also consider how they might take action in their community. Moreover, the summer school is the same weekend as the LAMPA festival in Cesis, Latvia. Both of these event gave not only me, but individuals who travelled from all over Europe, an opportunity for debate and discussion on a variety of topics relevant for many countries.



A photo on my last day with my supervisors





Attending TI Latvia's open dataset information session at the LAMPA festival

# Aisha Abdulkarimu

#### Latvia



In the center of Riga, in front of the Three Brothers

Beach day with my host family at Veczemju Klintis

<u>Value Derived from the Experience</u>: I am incredibly grateful for this opportunity to travel to Eastern Europe and had such a fantastic trip. My time in Latvia truly tested my independence and adaptability. I had to learn how to maneuver and adapt in the most unpredictable situations, but also see the skill I possess flourish. I became resourceful in using the internet to navigate the city as well as learn about it. I learned how to be independent as I spent a lot of time sightseeing and traveling to other cities in Latvia. I went into this experience terrified about feeling alone, but I am returning with a positive and exciting outlook on life.

Personally and professionally, I learned how to speak up for myself and take initiative, especially with my host family. I observed that Latvians are very reserved but also easygoing. For communication, I learned to speak and read some Latvia since the Microsoft Office I used at work, street signs, and food signs were all translated in Latvian. I also noticed a lot of individuals understand English but do not speak. It was better to say one or two words for what I need rather than full sentences.

At work, I had to adjust my lifestyle to be more relaxed as well as show the organization what I was capable of doing and how I could help out. Old Riga has 800 years of history that is incredibly important and recognized until this day. It was nice to learn the culture, history, and to see it reflected in this country's daily life. Overall the biggest takeaway is that I can do anything and everything I want if I put my mind to it with confidence. I shouldn't worry about what people think or say but should live my life to the fullest. When I first got here, I was terrified. This experience was incredibly eye-opening and allowed me to grow independently.



### Jaslyn Almonte Barcelona, Spain

College of Arts & Sciences Psychology & Health, Medicine, & Society



#### Vall DeHebron Hospital Research Assistant

<u>Company and Position Description</u>: My job in the Vall DeHebron hospital was within a team working on a project called the myHealth project. The task was to analyze the mental health status of immigrants and refugees and try to implement tools in order to help the vulnerable populations that have migrated into Barcelona. This project was started well before my internship started. I joined in the final stage when we began implementing and testing new tools. An escape room and leaflet were the new tools designed to help both the vulnerable populations and the professional healthcare providers working with them. I worked with a team of about five adults who were on the myHealth team. There was a supervisor overseeing our work and also a project manager who delegated tasks and checked on the work status. I also had a individual supervisor named Stella, who was the one that assigned my tasks to me and was overseeing my work. The team and its three interns would have a weekly team meeting in order to see how everyone else was doing and what we need to prioritize to stay within the time table since this was a timed project.



Spoke at Catalan Commission seminar on testimonies from refugees





Selfie with the myHealth team on our final meeting

### Jaslyn Almonte Barcelona, Spain







Visiting one of the most renowned futbol stadium's in Europe, FCB home of Lionel Messi Visiting la Sagrada Familia, one of the most the famous catholic churches in Spain

Value Derived from the Experience: I have learned a lot from this internship. Not only did I have to improve my ability to adapt. I also had to learn to take initiative this summer in order to be creative and proactive with my time. Although the culture here is very collectivistic I also had to learn to be autonomous and give myself guidelines and deadlines because our supervisors gave us a lot of freedom to take matters into our own hands. I also definitely improved my typing speed as I did translated a lot of documents from Spanish to English. I also learned how to use a variety of computer programs that help with citing and finding studies or journal articles called Mendeley, and also learned to use Powtoon to make informational and captivating videos for patients and healthcare professionals. This internship genuinely showed me that I want to do something along these lines in the future. I love psychology and working with mental health, but I also want to be in the public health field so trying to help these vulnerable populations helped confirm that these are the future endeavors I want to pursue. This internship will most definitely help enrich my resume because this experience showed me how to be self-reliant while working in a team to work collectively towards a goal. This internship helped me be able to set my own limits and grow as an individual trying to complete a task, but also how to be able to rely on a team of people while carrying my own weight in whatever environment I am in.



# Thomas Alvarado

#### Hong Kong

RCEAS Industrial & Systems Engineering



Hutchison Port Holdings Operations Intern

<u>Company and Position Description</u>: Hutchison Port Holdings is the world's leading port network, with ports in 27 countries. They are responsible for organizing and distributing cargo and containers in an efficient manner with their large amount of firm partners. I, personally, worked on a simulation demo in Java helping the Operations department manipulate variables to experiment with the physical layout of the port and container locations, along with queue timing and track space.



Group photo from Yantian terminal visit





A few interns and I on an RTGC on the main Port

# Thomas Alvarado Hong Kong



### HUTCHISON PORTS



Making new connections

Enjoying the Hong Kong

<u>Value Derived from the Experience</u>: This experience helped me grow professionally and personally in various ways. Personally, I was able to visit a country (Special administrative region) I would have never thought of visiting. I got to try out new foods that I wouldn't be able to find easily available here in the United States or that I wouldn't have the courage to try such as various Dim Sum dishes. I also developed a deeper appreciation for Eastern architecture and philosophy by visiting various Temples and Monasteries such as Tsz Shan Monastery in the photo in the top left corner and Chi Lin Nunnery in the top right photo. Additionally, I was able to get back in touch with personal interests of mine in the past, such as streetwear culture / collecting sneakers and the import car scene, especially in Mong Kok. Similarly, I was able to got on a few hiking trails, and get back in touch with my appreciation for the outdoors, since Hong Kong offers a variety of hiking trails and beaches with beautiful scenery. Professionally, I was able to get an in-the-field analysis of my personal skills as they relate to industrial engineering. In other words, I was able to see how the skills and knowledge I have developed here at Lehigh compare to the demands of the labor market, and constructively analyze my strengths, but more importantly my room for growth.



### Sabrina Asral Shanghai, China

#### RCEAS Mechanical Engineering



#### Homebliss Architectural Landscape Assistant

<u>Company and Position Description</u>: The company I interned for was an architectural landscaping firm called Homebliss. Homebliss is a rather small Chinese company run by some of the most professional and forward thinking designers in Shanghai. Their projects and aesthetic are extremely modern, reflecting much of the futuristic goals of China's fast growing economy. While working at Homebliss, I commuted via metro and would work in a small office building. I learned how to use AutoCAD, Sketchup, Lumion, and more. Although the title of working for an architect as a mechanical engineer may sound a bit strange to some, this software is extremely valuable in the design aspect of the engineering world. By the end of my time in Shanghai, I had helped design the plans for the oil company Schlumberger and was able to use my English-speaking skills in China in order to communicate with the head of the company. Overall, my experience as an intern was wonderful, and taught me so many valuable lessons in the professional world.



My office space at Homebliss



Visiting Schlumberger to help with design plans



### Sabrina Asral Shanghai, China



ceremony in a river town

Hongzhou

Value Derived from the Experience: Before coming to Shanghai, I had no idea what to expect. After originally applying to intern in France and Hong Kong as my first and second choices, getting placed in China was the last thing I expected. With the excitement and support from the internship program, I remained excited, but unsure of what I would experience abroad and so far from home. I had no idea if any of the people traveling with me had similar majors, interests, friend groups, etc. and I had no idea what working for an architectural landscaping firm would entail. To my surprise, I learned a good deal of useful Mandarin, made friends not just from Lehigh and China, but from other countries too. More valuable than anything though, was the fact that I was able to share this experience in Shanghai with the very people (other Lehigh students) I was unsure of in the beginning. Whether it was climbing the Great Wall, trying various new foods or making small talk with locals, there is no better feeling than having someone to share it with. Connecting with my fellow peers became more than just a means of making the most of the time we were spending abroad. It meant rediscovering my love for movie-making and film with another fellow Lehigh engineering student. It meant realizing that my experience of having parents from different countries wasn't such a rare thing after all. It meant re-evaluating my life through a lens that was no longer focused on who I was as a college student. This experience abroad extended so far beyond that. Both in the sense of the past, and the future, my sense of validation of who I was as a person grew. It brought me to a place in which I was no longer afraid to look back to the little girl I used to be and see that, although I felt like so much of my life has changed since coming to Lehigh, so much of my self has not. Although seemingly insignificant, knowing this has given me a vision as not only an engineer, but as a person.

# Jasmine Banful

#### Estonia

RCEAS Mechanical Engineering



HANZA Mechanics Tartu Mechanical Engineering Intern

<u>Company and Position Description</u>: I interned at Hanza, a manufacturing company located in Tartu, Estonia. I worked in the mechanical department where I helped make parts on the CNC turning machines. At the beginning of each shift, I would report to my mentor, Alvar, and we would check the production queue for work. Depending on the queue, we would set up a machine for production or head to a computer to write the G-code for the part. From the internship, I learned about the machining operations and how to set up the different stations in a turning machine to produce a part. I also learned how to write the G-code for a part strictly from observing its detailed drawing. A couple of things that surprised me while working at Hanza included learning that the Traub machines only took floppy disks and that section views were prevalent in the drawings.



Editing G-code with my mentor Alvar





Measuring a part

### **Jasmine Banful** Estonia



Front of the Viru Gate

Aviator Days

Value Derived from the Experience: The summer in Estonia has been an incredible experience. I was placed in Tartu, the second largest city in Estonia known for its university and the Kissing Students fountain. I stayed with a host family who were wonderful and the kindest people that I have met. During my time there I faced my fear of heights, tried rye bread and juice made from scratch, and even got to DJ at a local event. Estonia is also eco-friendly so my time abroad has made me more conscious of how much waste we produce as a society and the steps we could take to reduce pollution.

My experiences taught me to be more confident and adaptable in situations out of my control. For instance, instead of getting frustrated whenever I was lost, I would walk back to where my surroundings looked familiar and try a different path. Also if I was having difficulty communicating with someone, I would try a different tactic like showing a picture or using synonyms of the word.

### Nikayla Begaye China

#### College of Arts & Science Sociology



#### XieFei Education English Teacher

Company and Position Description: XieFei Education has a mission to create a safe environment for children to learn throughout the year. XieFei has the most welcoming environment that I have ever experienced. My boss, Yang Cheng, involves the staff and teachers in every event the company hosts. Yang Cheng created a comfortable workplace where he challenged me to create my own lessons and become more involved with the students within the classrooms. The students range from Kindergarten to 5th grade and I was able to teach all of the students. Each class has about 10-20 students each. My boss invited me to host a community event that the school was promoting for other students to join XieFei Education. At XieFei, I taught students and teachers English pronunciation and grammar followed up with an activity related to the topic. I gave English pronunciation training to the staff and teachers about once every three weeks. The topics I taught the students were about the weather, colors, holidays, clothing, and seasons. On days we weren't learning a topic, I read appropriate gradelevel books to the students. I had the students practice the vocabulary by creating sentences with them and then the students would be able to participate in an activity related to the book. For example, if a book was about farm animals I would have the 1st and 2nd graders either draw the farm animals and label them or the students would act out the animal while the others had to guess which animal the student was imitating. Every lesson was different, so, I was able to create many activities for the students.



First Day of work!





I facilitated a community event where 30+ students and parents attended.

### Nikayla Begaye China







I learned that the Forbidden City was created for one man.

Me posing with my Navajo Nation flag with the finance buildings in the back.

Value Derived from the Experience: I come from a rural community where the opportunity to travel abroad is very rare. With this opportunity, I was able to learn about myself and how I would be able to handle challenging situations like teaching a classroom full of non-native English speakers. I was in the position of being challenged by the students and staff because we all had different teaching methods. After showing the teachers and staff how I teach, they began to use some of the things I did in the classroom. This made me feel really accomplished because I didn't think that the way I taught students would be incorporated into their lessons. One of the teachers helped me throughout the summer and she really enjoyed the activities I created for the students. Throughout my internship, I learned to recognize that the students all learn differently and I tried my best to be flexible with my lessons. Although I was teaching the students, I learned so much from the students like little bits of Mandarin and which activities worked best for the lesson. I realized that patience is one of the most important skills in the education field. The students really appreciate educators who are patient with them and genuine. I was surprised that my boss gave me the flexibility to create my own lessons and facilitate my own classroom. Although I was surprised, I was glad to be given the opportunity to create lessons for an entire class that I only envisioned before interning at XieFei. Before interning at XieFei, I wasn't so confident about teaching because I haven't had the experience to teach. I second-guessed myself during the first week, but after a few weeks my boss awarded me a trophy for being an "Excellent Intern" which boosted my confidence about being a teacher. After working at XieFei, I gained the skills of being more confident and prepared for any situation that might happen unexpectedly. I think this experience, overall, has given me the opportunity to grow and become more self-assured about the things I do.

## Katherine Benware

#### Japan

#### RCEAS Earth & Environmental Science



Nagoya Institute of Technology Research Intern

<u>Company and Position Description</u>: In Japan I worked with Nagoya Institute of Technology and the Kojima Industries Corporation, a company partnered with Toyota, to study dragonflies living in the Kojima Conservation Area. My research focused on the two main themes of Biodiversity and Ecological Conservation. Using nets, we safely captured dragonflies to document which species were present during the given conditions and what their presence signified. We took pictures of each dragonfly we captured, compared them to past pictures/dragonflies and documented any changes. We made lists of the documented species which included what day we found them and where in the conservation area. I learned that dragonflies are environmental indicators, meaning that they reflect land, air, and water conditions. If many dragonflies in one area are dying, something is wrong with the environment there and action must be taken.



Me with a dragonfly I caught.



Me searching for dragonflies.



## Katherine Benware

Japan

#### Nagoya Institute of Technology



Wearing a Yukata at the Kinkakuji Shrine in Kyoto!



Celebrating the Tanabata Star Festival!

Value Derived from the Experience: Through this internship I was able to apply what I have learned in classes at Lehigh to professional field work. I was able to experience what it is like to work with a professional lab team for the first time. Through this, I solidified my love for the environment and confirmed that this path is correct for me. Being able to visit Japan has been a dream of mine for a decade, and this internship helped me to make that a reality. I was able to apply my Japanese language skills and form relationships with my Japanese lab mates and friends. I experienced first-hand a culture I have been interested in for years. I will never forget my incredible time spent in Japan.



## Gehar Bitar

#### Germany

#### College of Arts & Sciences Biochemistry



International School Ruhr Teacher's Assistant & TU Dortmund Summer Children's Program Staff Member

Company and Position Description: The International School Ruhr's mission is to prepare students to take positive action in an interconnected and changing world. Based in Essen, Germany, the school encourages their students to show respect for themselves, others and the environment while enjoying learning throughout their lives so that they can become responsible, internationally-minded citizens. The school does a very good job of teaching intercultural competency by hiring teachers from all over the world to teach the various subjects and have activities and meals that are from all around the world. What I did at the International School was shadow the science department teachers who taught general science, Biology, and Chemistry. I also assisted the teacher in the Early Years department and took care of children from ages three to six. We went on fieldtrips and I assisted with meals, lessons, and free time. I worked here for the majority of my duration in Germany. The last two weeks of my time in Germany I supported the children who were attending the TU Dortmund Summer Children's Program. This is a holiday care program for children of students and employees as well as members of the FH Dortmund. It ran from Monday to Friday, 8:00 am to 4:00 pm. During these two weeks, I helped other staff members keep children ages six to thirteen safe, well-fed, and entertained.



Student laboratory to conduct experiments





Summer Children's Program provided various activities for students

# Gehar Bitar

#### Germany



Waiting for the train I took everyday to work



Visited the famous Chocolate Museum in Brussels, Belgium

<u>Value Derived from the Experience</u>: My time in Germany was very unique and insightful. It was my first time being abroad and I had the opportunity to experience it completely alone with very basic knowledge about the country. It was a wonderful experience to learn how I react to situations that I have absolutely no control over like the trains being delayed because of weather or trying to order a simple meal in a completely different language. I have always wanted the challenge of learning about a whole new culture and history by being thrown into the experience. This will help me in the future because I have learned how to utilize my strengths and the resources around me to maneuver occurrences and challenges that are brand new and unique in their own way. I became very comfortable with using body language to overcome the language barrier and I picked up a lot of German along the way too (mainly train lingo).

One of the biggest things I took away from my time in Germany was my passion for helping children, whether it be teaching or taking care of them in another way. I was very lucky to have the opportunity to help further educate the children in an area that I love. This internship showed me that no matter what I do post graduation I want it to include helping children in any way that I can. With enough support, children can prosper and learn how to love themselves and use that love to reach their full potential. I hope to continue to help people and show them that they can love themselves regardless of their situation.



### Lynn Brownell The Netherlands

#### RCEAS Mechanical Engineering



<u>Company and Position Description</u>: University Industry Innovation Network (UIIN) is a global network of academics, researchers, and business professionals who are invested in increasing and optimizing collaboration. UIIN hosts multiple workshops and conferences throughout the year that address the needs of its members. Additionally, UIIN provides its members numerous resources on the topics of university-industry interaction, collaborative innovation and entrepreneurial universities. These resources include, but are not limited to a database of good practices, blogs, and a company magazine.

While interning at UIIN, I was able to work with a fellow intern to complete a good practice case study on the entrepreneurial ecosystem in Lisbon, Portugal. I also authored multiple blog articles based on our research and the interviews we conducted. The four Iacocca interns also helped plan, coordinate, and run UIIN's annual University-Industry Interaction Conference in Helsinki, Finland.



All four lacocca interns at UIIN's conference in Finland





Work trip to Lisbon, Portugal to complete interviews

### Lynn Brownell The Netherlands







Women's World Cup Finals: U.S.A. vs. Netherlands

Saying goodbye to our UIIN coworkers on our last day

<u>Value Derived from the Experience</u>: As an intern at UIIN, I was able to hone many skills I rarely get to practice as a Mechanical Engineer undergrad. In the eight weeks I was at UIIN, my writing, interviewing, and presentation skills improved considerably. Our coworkers were always there to give guidance and useful feedback. I now have the confidence to do many things I previously would have tried to avoid, most especially presenting.

I also gained confidence as a global traveler. I ventured off on my own to five of the nine total countries I visited. One of the craziest trips I took was a last-minute solo trip to the Women's World Cup consolation game in Nice and finals in Lyon, France.

Most importantly, I made significant professional connections, received invaluable career advice from people with a variety of backgrounds and created life-long friendships all over the globe.



# **Rachel Caffrey**

#### Malaysia

RCEAS Biomechanics/Bio Materials Engineering



UTP Malaysia Engineering Research Intern

<u>Company and Position Description</u>: This summer, I spent 6 weeks working in the Universiti Teknologi Petronas(UTP) in Malaysia. My position was as an engineering research intern with the focal point of my study in how marine bio-growths effect the hydrodynamics of offshore platforms. Throughout my work week, I would perform literature reviews and run data samples from either the lab or the library to develop an Excel model calculating the effects of the different loading. After doing this, I compiled a series of graphs depicting the comparative effects of the forces over numerous times. I was then able to use ANSYS to develop a program and run simulations within specific parameters. By the end of my time, I compiled a thirty page research report of my studied and findings. Within this paper, I elaborated on steps that could be taken in future experiments to further understand the force effect these marine growths have, and how what I found could be taken into account for future offshore structure design to adjust for the loading changes. Finally, in my last few days I gave a twenty minute PowerPoint presentation explaining my scope of work, rational, methodology, results, and final discussion.



Giving my final presentation





My project Supervisor Dr. Al-Yacouby

### Rachel Caffrey Malaysia







My favorite city I visited, Melaka

Cameron Highlands tea plantations

#### Value Derived from the Experience:

This summer, I got to spend six weeks in Malaysia gaining work exposure, learning how to engage in real research and immersing myself in a completely foreign culture. It was incredible. Not only was it an enriching experience independently, but I have made friends and mentors I will keep close from all over Asia, Europe, Canada, Australia, India and Africa. In only six weeks, I am leaving with a tangible, extensive research report of my very own work and experience leading professional presentations in my study. The staff, supervisors, UTP peers, and dozens of other internship students from around the world made the environment so welcoming and unforgettable. The professors in charge of the Research Attachment Program (Khairul and Iffah) constantly stayed in contact with us and always communicated on- and off-campus cultural trips/experiences open to our involvement.

Personally, I think I most significantly improved my resilience, autonomy, and authority (selfadvocacy). Traveling, about as far from home around the globe as I could get. put my body and mind through a lot, but I was able to accomplish so much and see corners of the world I never imagined. With so many hectic events, I was able to hone in on what was important and what needed to be done. I learned to take things as they come, live with it, and make the best out of situations. It very well could have been easy to brush issues aside, let them build up, and accomplish very little. The experience was entirely what we made of it, and I like to think I made the most. Reflecting on the power of this opportunity, I recognized how much self-advocacy I had to do to get things done. I worked to *make* things happen. I was able to spearhead goals and turn them into real accomplishments to be proud of in a matter of weeks, when others expected it couldn't be managed. I have stories to tell for a lifetime, and it is entirely thanks to this program.

# Megan Carroll

#### Singapore

College of Arts & Sciences Psychology



3M Media and Communications Intern

<u>Company and Position Description</u>: This summer I worked at 3M in Singapore. 3M is an American multinational conglomerate corporation operating in the fields of industry, worker safety, health care, and consumer goods. Some popular brands under 3M are Scotch-Brite, Nexcare, and Post-It. 3M is an extremely large company and sells over 55,000 products. The media and communications internship centered around the creation of digital material for the company, such as "how to" videos and highlight videos. During the course of the internship I learned how to create storyboards, write scripts, edit photos, film scenes, and edit videos to create a story.



Front of the 3M logo in the office lobby





Outside of the Woodlands 3M office building and factory

### Megan Carroll Singapore



3 Science. Applied to Life.™



View of the Supertree Grove with the Marina Bay Sands in the background Newton Hawker Center near our hostel in Novena, Singapore

<u>Value Derived from the Experience</u>: This experience helped me develop both personally and professionally. Professionally I was able to learn really useful skills. I learned how to use Adobe Photoshop and Adobe Premiere to edit photos and video footage. I also learned videography skills and how to create a script with a specific perspective in mind. These skills allow me to be able to story tell in a way that I wasn't able to before. My personal development bloomed out of difficult circumstances. While I was abroad, I was injured fairly badly and was not able to explore Singapore as I would have hoped. Despite this painful and challenging setback, I was able to enjoy my time. I was able to make the situation better with the help of the other girls in the program. I learned about everyday life in Singapore in a way that I never would have been able to as a one-week vacationer. I found that this information gave me a better picture of what living in a different country for an extended period of time would be like. Overall my personal take-away from this experience, given all the challenges, has been to not hold myself back from doing exciting and often scary things when the opportunity is there.



## Jenna Catalano

#### Japan

#### RCEAS Chemical Engineering



Nagoya Institute of Technology Research Intern

<u>Company and Position Description</u>: During my lacocca internship in Japan I did research at the Nagoya Institute of Technology with Professor Dewa. I worked directly with Momoka Akaike, a master's student at the university for my research project. For my project I studied the process of DOPC liposomes being solubilized by the detergent OG. I was in the lab 5-6 hours a day with one day off per week for Japanese language classes I was taking at the university. I did three separate experiments for my project and completed reports for each experiment as well as a final presentation I presented to fellow lab mates and faculty. Nagoya Institute of Technology is a public university located in the Showa Ward, Nagoya, Japan. NiTech offers majors in the fields of engineering, science, business, and health. The school has a 14:86 female to male ratio and has a 4% international student population. In our time at the university, my group stayed at one of the two international student houses on campus which offered a small apartment- style living situation. In my internship I specifically was working in the Yamashita, Dewa, Kondo lab which mainly focuses on the subject of Biochemistry and had approximately 30 other PhD and master's students working with Professor Dewa.



My fellow lab mates and I in front of the building I worked in.



My final research presentation to my fellow lab mates and faculty.

# Jenna Catalano

Japan







wearing a traditional yukata in the Arashiyama bamboo forest in Kyoto. Two of my fellow IIIP Group Program participants and I at the Marines Day Festival in Nagoya.

Value Derived from the Experience: I have always dreamed of someday getting the opportunity to travel abroad and this experience went beyond anything I ever could have imagined. I chose Japan as one of the countries I wanted to travel to as part of this internship because of learning of the country's rich culture and traditions. As part of this internship I got to visit many culturally-rich locations such as Osaka, Kyoto, and Tokyo and experience many shrines, temples, castles and delicious food! Through my time in Japan, I was able to try many new foods but also was able to have many unique experiences overall such as attending festivals, getting to wear a traditional yukata, and even getting to hold an owl at an owl café! During my internship experience I was able to develop a lot of independence both personally and professionally. This experience was the first time where I have been responsible for my own research project and I learned a lot about the importance of holding yourself accountable for completing work and to always be driven to put your best work forward. This really paid off with beaming feedback from my professor at the end but also from a sense of accomplishment at everything I achieved. When it comes to personal independence, I had to learn a lot of how to travel alone as well as communicate when I didn't know the language. I had to become comfortable with reading bus and subway schedules and how to properly use these forms of transportation as well as learning to ask for help from others when I was unsure of what the right direction or bus to take. I am so grateful that I was able to experience Japan and its amazing culture beyond a "tourist" level and that I was able to gain a unique work experience that will help me as I continue my schooling and in my future professional experiences.



## **Massiel Checo**

Italy

College of Arts & Sciences Journalism and Communications



Rome Design Agency Marketing Intern

<u>Company and Position Description</u>: The Rome Design Agency is a design and digital communications firm for luxury service brands based in Italy. As a marketing communications intern, I assisted the communications team in managing the company's website, social media, and blog through various programs. I was also tasked with reaching out and networking with local businesses and entrepreneurs in order to drive more sales. I was able to collaborate and learn from assignments and experiences both inside and outside of my designated field.



Working on the company blog



Long days, but fun days

# Massiel Checo







The Trevi Fountain

The famous Colosseum

<u>Value Derived from the Experience</u>: In addition to expanding my professional knowledge, this experience taught me a lot of life lessons that were very much needed. The biggest lesson that I took away from my experience in Italy was that it is okay to be alone. Prior to this experience I always hated being alone for long periods of time. This summer allowed me to go to Rome by myself which taught me how to be more secure in myself and how to handle tough situations. From navigating the Italian metro system to eating alone at restaurants, I really learned how to be comfortable and confident in my own company, which is very important. Professionally, I was able to explore and learn from a work environment opposite to the United States, which I think is extremely valuable, especially because my last year at Lehigh is near. I also expanded my work experience and gained a lot of business perspective. Overall I am very grateful for the exposure this experience granted me.



# Luke Christman

#### Hong Kong

College of Business & Economics Finance



#### IES Abroad Business Consultant

Company and Position Description: While abroad in Hong Kong, I worked for a fairly new company called Bitwork. Bitwork is a shared workspace (similar to that of WeWork but on a smaller scale), and in addition, they partner with crypto and block chain based companies to help with marketing and community growth surrounding different projects in the crypto world. As an intern there, I was responsible for a number of different tasks, many of which were performed for a cryptocurrency exchange called Bitsdag, a company that Bitwork is partnered with. One major task that I carried out during the course of my internship was researching different companies requesting to list their tokens on Bitsdaq's exchange and consulting the Bitsdag team on whether or not I felt that the token was legitimate and secure. In addition, I also attended Rise Conference, the largest Tech conference in Asia, to promote Bitwork and scout potential partnerships. Lastly, I worked on a number of different projects, one of which was with the CTO of Bitsdaq, Eric. Eric was outsourcing a computer science project to a team in the Philippines in order to improve the Bitsdag website and token application process. I acted as the project manager, ultimately making sure that the team was meeting its goals and completing the project in a timely manner. I would also test the website, find errors, and report back to the team so that they could make necessary adjustments.



Last day with the entire Bitwork Team





Hanging out with our boss, Raymond

# Luke Christman

#### Hong Kong



Dim Sum in Sheung Wan





Cliff Jumping in Sai Wan

Value Derived from the Experience: As an individual that had never been outside of the US before, excluding Canada, I had absolutely no clue what I was missing out on. First, one huge benefit of the IES customized internship programs is that my program was made up of one other Lehigh student and around 20 other students from different schools across the US. Considering Lehigh is such a small school, it allowed me to make new friends in an awesome environment. Second, the internship itself holds a lot of value that I know gives me a competitive edge, especially with recruiting coming up during the fall semester of my junior year. Even though I didn't learn that many hard skills while I was interning, the value of simply living and working in a foreign country with people you have never met before definitely teaches things like independence, confidence, sociability, and discipline. In addition, a lot of internships abroad that students partake in at Lehigh are paid for by the students. Students are paying for an internship rather than being selected for it. Something I can definitely stress to potential employers is that this internship experience is a highly competitive one that was fully funded on scholarship by the school, which I believe is another added benefit from the experience. Lastly, living in a country so different from my own definitely helped to progress my mindset. The culture in Hong Kong is immensely different than that of the US, and initially it definitely felt difficult to balance the new lifestyle with a 5-day work week. However, as I observed the different practices and ideologies of that culture, I adapted pretty quickly. Being completely immersed in such a new environment allowed me to open my mind to new foods, people, and conversations. It may not have felt like it while I was there, but after coming back to the US, I noticed how differently and less ignorantly I thought about and discussed certain topics. Overall, I feel that the program made me a more well-rounded person.



# Brianna Cimaglia

#### South Africa

College of Arts & Sciences International Relations & Economics



Catholic Parliamentary Liaison Office Assistant Researcher

<u>Company and Position Description</u>: The Catholic Parliamentary Liaison Office (CPLO) is tasked with educating the dioceses and bishops of South Africa on political issues ranging from immigration to gender equality. They do so in various ways, such as composing digests explaining these issues and organizing conferences with expert speakers on important topics. As a research intern, my task was to compose a briefing paper on migrant workers' affect on the South African economy. I spent the majority of my internship researching this topic and ultimately published a briefing paper summarizing my findings. Throughout my internship, I assisted organizing conferences on gender violence and economic policies. Additionally, I attended the annual AFEX conference that the CPLO hosts, in which they invite guests from other African countries and assist them in creating similar offices in their respective countries. This conference was my favorite part of my internship, as I was able to network and gain contacts from various countries.



Attended the annual AFEX conference





Attended minister meetings at the South African Parliament

### Brianna Cimaglia South Africa

Southern African Catholic Bishops' Conference PARLIAMENTARY LIAISON OFFICE 20 Years of Participating in Public Policy



Hiked to top of Table Mountain



Elephants along the famous South African Garden Route

<u>Value Derived from the Experience</u>: This trip has increased my confidence, self-awareness, independence and general passion for life. It showed me how life is greater than the confines of Lehigh; there are so many places and people to experience! Cape Town, in particular, was amazing due to its beautiful location as a mountainous city on the ocean. I would have beach days that ended with sunset hikes! Cape Town is notorious for being a "dangerous" city; however, during my time I never felt threatened. Being in a city where the division between the rich and poor is among the greatest in the world, made me realize how privileged I am and inspired future career aspirations to fix this inequality gap. Professionally, I honed my research and writing skills, learning to communicate in a concise and effective manner. Additionally, I became a better communicator, becoming more comfortable conversing with people who have had totally different life experiences than me. Overall, Cape Town is the greatest city in the world & I would not change a thing! This experience changed my life.



# Frances Colon

#### North Macedonia

College of Business & Economics Marketing



Pivara Brewery Skopje A.D. Marketing intern

Company and Position Description: I had the opportunity to work at Pivara Skopje Brewery, a sustainable selling organization that breathes customer and consumer needs. They currently hold the number one position in North Macedonia on the beer market and on the non-alcoholic beverages market. All together they have 5 core beer brands and 70 beer packages. They manufacture and distribute well known brands, such as Fanta, Coca-Cola, Sprite, Schweppes, Monster, and Heineken. As a marketing intern, I primarily worked with professionals within the marketing department, but also had the opportunity to work with the quality assurance and supply chain teams. As for my tasks, I routinely analyzed and extracted sales ratios within the company and developed comprehensive reports for the marketing team on PowerPoint and Excel. In terms of specific projects, I worked with the National Trade Marketing manager to develop the Picture of Success for 2020 and with the Innovation Senior Specialist to develop a presentation on new innovations to be proposed for next year's business plan. I also attended meetings with internal departments and clients. When I wasn't on a computer, I was able to taste-test products for any off-tastes and conduct market research with real clients. The atmosphere at Pivara was incredibly welcoming and it was a great place to learn about the ins and outs of the industry.



*Working with Quality Assurance to find any off-tastes in products* 





Conducting market research on customer opinion of the brand
## Frances Colon North Macedonia







Galicnik hosts a traditional 3day wedding full of festivities Sitting in Skopje Kale, a fortress that withstood many Balkan wars

<u>Value Derived from the Experience</u>: This program allowed me to take my first look into the professional world. I was able to learn many basic things about marketing, as well as things that only years of experience could teach you. Thanks to the wide variety of professionals within the department, I was able to dig deeper into the field and find what I am passionate about as well as what I will be looking for in a job upon graduation.

Becoming independent in a foreign country was an amazing experience. In the beginning, I was scared to go to the supermarket by myself, but by the end we were planning trips alone to different countries. I also developed a certain confidence when it came to speaking to people. Although half of them didn't speak English, it was always better to give it a shot. No matter the country, there is always someone that you can talk to.

As for my cultural experience, it was a summer full of learning and appreciation. I participated in many of the countless Macedonian traditions, including eating Mekitsa and Sirene when someone has a child and drinking Rakija with your salad. Macedonians are very warm people. If you want to see someone, you simply knock on their door and they will not only invite you in with open arms, but will also offer you all of the food in their kitchen. They are very rooted in their values and have tremendous pride in their beautiful country.

This experience allowed me to completely immerse myself in the Macedonian culture and lifestyle. By the end of it all I appreciated the simplest of things, such as taking the public bus to work and eating cucumbers with every single meal. In all aspects, it was definitely a summer to remember.



# **Christy Cullen**

### Vienna, Austria

### RCEAS Civil Engineering



Vienna's Municipal Water Department Intern

Company and Position Description: During my internship, I visited many water reservoirs all over Vienna and learned about how and why water from the reservoirs are used. I also visited water treatment plants and learned more about how their are different processes of treating water depending on where it comes from. Some days I travelled as far as 2 hours by company car to test the spring water quality from water mains near the Alps of Austria. As a rising junior civil engineer, my supervisor believed that I would benefit from learning the process of water treatment and water distribution through site visits more than I would sitting in the office. Working for the Municipal Water Department I learned how much Vienna values having clean drinking water and how committed they are to ensure they will have clean drinking water for generations to come. With that being said, my supervisor is the founder of IAWD which stands for International Association of Water Supply Companies in the Danube River Catchment Area. As a partner with the Water Department, she also became a partner for two European Union funded projects called PROLINE-CE and CAMARO-D. The aim of these projects is to protect drinking water resources stemming from the Danube River, which stretches through many European Union countries. I attended a conference as the youngest, only native English speaker and was able to meet other government officials working on water protection. I was then tasked by my supervisor to write a report on all that I learned from the conference. It was a truly incredible internship.



European Union Conference for the PROLINE-CE and CAMARO-D projects





Quality testing ground water in Groß-Ensersdorf

## Christy Cullen Vienna, Austria







Viennese Concordia Ball at the Vienna City Hall with other interns

Schönbrunn Palace and its picturesque gardens

Value Derived from the Experience: When I applied to have an Iacocca International Internship, I was doubtful that I would have been "worthy" enough for an experience like this. Having an internship and eventually going abroad were goals of mine in college, but I didn't really have the confidence in myself to do anything about it. As a first semester sophomore, I attended the Study Abroad Fair where I met Brian Wasserman and he encouraged me to set up a meeting to talk to him about my options to go abroad. After speaking with him about my goals during and after Lehigh, he suggested I apply for an Iacocca Internship and to my surprise I was fortunate enough to be amongst the lucky 80 some students who were given the chance of a lifetime. As a Civil Engineering major, I was worried that I wouldn't enjoy my internship as it was more of an environmental engineering internship. Again, to my surprise, I ended up absolutely loving it. I plan to stick with my Civil Engineering major and minor in Environmental Studies for my undergrad and hopefully continue my academic journey by getting a Masters of Environmental or Geotechnical Engineering at Lehigh. My internship did change my career aspirations but in the best way. I ended up finding a passion in a field where I felt lost. After exploring my options with my internship, I feel more encouraged to learn than I ever was before. I also learned to explore ambiguous situations and be more easy going. While in Vienna, I felt that without having my days structured and planned by the hour like I do during the school year, I was able to enjoy every moment because I never had any expectations of what I would do the next day. If I could go back and change anything, I wouldn't. I explored 8 countries, hiked the Alps, swam in the Tyrrhenian Sea, went canoeing, made friends from all over the world and accomplished two of my biggest goals in college. Describing myself as fortunate would be an understatement.



# Nicolas Desgranges

Haifa, Israel

College of Arts & Science Biology



The Technion – Israel Institute of Technology Research Assistant

<u>Company and Position Description</u>: For my internship I worked in a research lab at The Technion University. The lab studied cancer metabolism by integrating multiple disciplines including computer science, analytical chemistry, and biology. There were people working in the lab from many different cultural backgrounds. The lab manager was Russian, the head of the lab was Israeli and the Post Doctorate student I was working with was Indian. This gave me a lot of experience working with individuals of different cultural backgrounds. The Post Doctorate student I was working on creating and analyzing cancer cell tissue cultures. We would start off by culturing cells then splitting them to ensure that the grow properly and stay healthy. We would then seed those cells onto a 96 well plate where we would add drugs at different concentration in order to test their effectiveness. Finally we would extract extra and intracellular metabolites which would then be analyzed in a Mass Spectrometer. This was all done in order to understand how cell metabolism is rewired in cancer cells so that we might better be able to exploit these techniques for diagnosis and treatment



Mass Spectrometry machine used to analyze metabolites





The lab hood I worked in

# Nicolas Desgranges

### Haifa, Israel







#### The Treasury at Petra in Jordan

The other Interns and myself in Eilat, Israel

Value Derived from the Experience: When first arriving to Israel, I was very unsure what to expect culturally. I had done a lot of research but I was very unfamiliar with the cultural and religious practices in the region. After spending ten weeks in the country immersing myself into the culture and exploring many religious sites, I have grown a greater appreciation for the country and its people. My coworkers were so kind and generous, they would happily sit down with me and tell me their most interesting stories about growing up in Israel. This allowed me to easily connect with the locals and better understand them culturally. Travelling was also a very different experience for me. Typically in the past when I travelled I would only go to France, where I have family, so Israel in the Middle East was very different to me. The landscapes, historical sites, and customs at those site opened my mind up to the meaning they hold. Ancient sites like the Western Wall, Temple Mount, and the Church of the Holy Sepulcher opened my mind up to different religions practices and customs. It was fascinating seeing some of the most religious sites of the worlds' major religions all together in the old city of Jerusalem. I was lucky enough to not only travel all around Israel every weekend to places like Jerusalem, Bethlehem, Tel Aviv, and Eilat but I was also able to visit Petra, one of the seven wonders of the world located in Jordan. It was very enriching seeing the ancient middle eastern art and architectural designs. Travelling and being able to live in and experience Israel provided me with essential cultural understanding and knowledge that will serve me for the rest of my life.

In my research lab at the Technion in Haifa, Israel, it was interesting seeing how each of my coworkers had different practical approaches when it came to different experiments in the lab. This provided me with a new view on how to approach open ended questions which come up a lot in independent research. The cell tissue culture methods I learned were also very beneficial since they are not normally taught in basic classes and can only be learned through practice. The different experimental approaches as well as the cell tissue techniques will be useful back at Lehigh and have set me up for future success by providing me with invaluable knowledge I would not normally be able to obtain else where.

# Kyra Dimaranan

#### Japan

RCEAS Computer Engineering



Nagoya Institute of Technology Research Intern

<u>Company and Position Description</u>: My lacocca Internship was as a Research Intern at the Nagoya Institute of Technology (NITech), a leading university in science and technology. While I was here, I was assigned to work under Dr. Takayuki Ito, who specializes in research relating to artificial intelligence and its various applications and uses. Coming in with little to no experience in the field, my research was focused in the general workings and applications of artificial intelligence, machine learning, reinforced learning, and deep learning. I learned how to implement reinforced learning to solve problems like the famous "Cartpole" problem using python and began working with elementary robotics programming. In addition to this, we also attended weekly Japanese classes focusing on speaking, reading, and writing, and went on an industry tour of Panasonic which was extremely beneficial.



Panasonic Industry Tour



Final presentation on Artificial Intelligence



## Kyra Dimaranan Japan







At the Tanabata in Osaka

Wearing a traditional Yukata in Kyoto

<u>Value Derived from the Experience</u>: Living in Japan for two months has given me a different kind of appreciation for the country I otherwise would not have gotten if I had gone for, say, a week-long vacation. When you live in a foreign country, in an area not known to be a "tourist spot," you really get to experience and learn about the small nuances of life that make a culture's way of life unique, beyond the commercialized parts you expect to see. This to me, was one of the best parts of the lacocca Internship.

This experience has pushed me to grow in ways I didn't even know I needed to grow. It's very rare to be in a situation where you feel completely like a fish out of water—being in a timezone 13+ hours ahead of your friends and family, not being able to speak or read the language, and being the youngest in your work environment by 3+ years will certainly make you feel that way. Adapting to these things and welcoming the issues, challenges, and slight discomfort that comes with them, instead of being afraid of them, made me even more independent than I already thought I was. I remember buying the wrong bus ticket for one of our weekend trips and not finding out until we had to board the bus. A couple months ago, I might have felt completely overwhelmed with the mishap especially in a foreign country, but when the problem arose, we simply laughed it off, fixed the problem, and had a great time anyway! The experience has given me the confidence that I'd be able to be thrown into any situation and know how to adapt and make the best of it, which I think is one of the most invaluable takeaways from this experience.



## Kathy Doan Moldova

College of Arts & Sciences HMS & Sociology



### HOSPICE Angelus Marketing Intern/ Medical Assistant

Company and Position Description: HOSPICE Angelus is the leading provider of palliative care in the Republic of Moldova. During my time here, I worked closely with the marketing department in the office and organized different fundraising events such as the annual soccer tournament that they have every year. I immensely developed my designing skills, maintained all forms of social media, and drafted various emails to reach sponsors in advertisement for donations to raise funds for the organization. This is a very crucial department for Hospice Angelus because the treatments that they provide their patients are free of charge so it is important that the fundraising team pulls through every year. I was also assigned to create the annual report for 2019 of Hospice Angelus which helped me build expertise in data analysis, researching, calculation for costs/total supplies used, and creating professional mission/vision statements. I also shadowed nurses and traveled to patient homes around the city. I assisted in bandaging, engaged in one on one comforting conversations, provided medical supplies and learned about the different diseases that were diagnosed. Most of my work for the patients was focused on an emotional level. The purpose of this organization is to physically, but more importantly psychologically, help these dying patients have the best quality of life with the time that they have left to live.



CASA Angelus, a palliative children care center ♥LEHIGH | ♥FFECF



medical shoe covers when entering a patient home

## Kathy Doan Moldova





Primul Centru de Îngrijire Paliativă din Chișinău



#### Picking fresh tomatoes and cucumbers off home grown plants

Enjoying the view at the lavender fields

Value Derived from the Experience: Spending two months in the poorest country in Europe filled with government corruption, suffering infrastructure, unregulated public transportation, poor crosswalk systems and lack of diversity. I have become more reflective on the reality of the world. Moldova has taught me to grow and glow in the most way humble way imaginable. Never would I have thought that I would be spending my summer in a country that my friends, family, and I had never heard of before, but I wouldn't have it any other way. Thanks to the lacocca Program, I have gotten the chance to have this unique and indescribable experience that no one else has before. I truly believe Moldova has brought something more meaningful out of me. This small Eastern European country has shown me parts of the world that have completely changed my perspective on how to live my life. Daily doses of old Moldovan women trying to sell me pounds of fresh fruit and vegetables on the street, watching children play outside for hours instead of being glued to their phones, calm and quiet walks through the many parks in the city or just being on a hot and crowded trolleybus ride with no windows have become a growing realization of cultural differences and have pushed me to find inner peace within myself. Seeing that so little is provided to the citizens here, these two months have made me treasure the small victories of each day -- learning how to say thank you in Romanian, crossing the hectic streets of Chisinau without getting run over, enjoying a simple meal with the most natural foods, sitting on a park bench alone without feeling lonely or just having a small cup of homemade wine. Sometimes the little things really are the most beautiful.



# Brooke Dubyna

### Israel

College of Arts and Sciences Biology



Technion Intern

<u>Company and Position Description</u>: I interned at Technion – Israel Institute of Technology in the Laboratory of Nano-Bio Interfaces. This lab is multidisciplinary with focuses in biochemistry and nanotechnology. For my experiment, I worked on synthesizing gold nanoparticles using gold salt, SP1 protein, and NADH as a reducing agent. The goal of this synthesis is to utilize SP1 to facilitate the formation of the gold nanoparticles and limit their growth to an ideal size. Once these gold nanoparticles are formed, they can be used for medical imaging and cancer drug delivery.



Preparing solutions





Pipetting samples into wells for reaction

# Brooke Dubyna







Floating in the Dead Sea

Touching the birthplace of Jesus at the Church of the Nativity in Bethlehem

<u>Value Derived from the Experience</u>: I learned a great deal during my time working in the nanotechnology lab. I was opened up to a whole new field of biology and learned a lot of new lab techniques. Even when I was following procedures that I'd done in other labs, I noticed that I was improving significantly due to the increased independence I was given. Outside the lab, I experienced the culture of a country I had never expected to have the opportunity to visit. I even went outside my comfort zone and tried a lot of new foods, which was previously unheard of for me as a picky eater. This experience helped me to grow as a person, further developed my independence and enabled me to make a whole new set of friends.



# Evan El-Halawani

Israel

College of Arts & Sciences Molecular Biology



Technion University Undergraduate Researcher

<u>Company and Position Description</u>: I worked in the lab of Omer Yehezkeli which is a multidisciplinary biochemistry lab focused on nanoparticle synthesis. My project focused on converting Dinitrogen into Ammonia. Ammonia is an essential component to fertilizer. The US expends between 1-5% of its energy just to create ammonia for agriculture. Rather than using heat and high pressure to create ammonia, my project focused on activating enzymes with light to carry out the conversion. The energy expenditure using light is just a fraction of the energy required when using heat and high pressure. I plated Azotobacter vinelandii, a strain of bacteria, and lysed them. By purifying the product, I was able to harvest nitrogenase which is naturally able to create ammonia. The nitrogenase enzyme relies on electrons to be activated. By creating metal nanoparticles and shining light on them, you can excite the metal and allow for free electrons to be used by the enzyme. By going through this procedure, I was able to obtain ammonia which was measured via gas chromatography.



Using the glovebox to limit oxygen exposure





Injecting my product into the GC

# Evan El-Halawani

Israel





The Sea of Galilee



Floating in the Dead Sea

<u>Value Derived from the Experience:</u> Working in a multidisciplinary lab was an invaluable experience because it allowed me to better understand the interactions of biology and chemistry. When you learn about biological processes in class, you are able to memorize the material, but it is difficult to understand its implications. To have hands-on work growing bacteria, purifying enzymes, synthesizing metal nanoparticles and activating nanoparticles was an entirely novel experience. For the first time as an undergraduate student, I felt like a true molecular biologist. My aspiration is to attend medical school and I know the critical thinking and problem solving strategies that I learned while working as a researcher will translate into my professional setting. Being able to bounce ideas off of others and narrow the focus of a project is essential in the professional world and these were skills that became second nature by the completion of the internship. I look forward to future research endeavors as I feel well equipped to work in any biotechnological lab setting.



# Jessica Flores Yangon, Myanmar

College Arts & Sciences Psychology and Theater



Youth Society for Education Student Teacher

<u>Company and Position Description</u>: As an intern at the Fun and Learn Center/Youth Society for Education I worked as a student teacher. My work specialized in teaching STE(A)M through the use of LEGOS and science experiments. The Fun and Learn Center was founded in 2013. It was founded with the purpose of educating students through the use of STEAM education in around Myanmar using USA teaching standards. The teachers here did a great job of balancing educational lesson with fun and engaging activities. They are great at supporting students in their academic endeavors and are always looking for more ways to give students opportunities to use their creativity and knowledge. The Fun and Learn Center uses LEGO and LEGO EV3 to teach students coding as well as science and concepts such as friction, energy and gravity. They help students think outside of the box and allow them to make their own creations. My job focused on creating science experiments in Chemistry as well as teaching lessons to children in private and international schools. I primarily taught children from kindergarten to second grade. Since I worked with younger children, I typically only worked with LEGOS and simple science experiments!



Teaching a lesson about building bridges and what different types exist



Teaching a lesson about car launchers and how friction, force, and energy affect the distance of an object



# Jessica Flores Yangon, Myanmar







Visiting a pagoda with one of the teachers

A Traditional Myanmar Meal

<u>Value Derived from the Experience:</u> My time in Myanmar was very special and I am so glad that I had the opportunity to immerse myself in the wonderful people, the tasty food, and the life of a local Myanmar citizen. This internship was very pivotal in helping me navigate my career aspirations. I think I have always known that I wanted to be a teacher, and I feel as though this internship definitely helped push me toward making a career decision. I realized how much love and appreciation I have for teachers around the world, and I am grateful for all the knowledge that I have gained from the help of my fellow co-workers.

Another part of the trip that was impactful on my personal growth was the independence that I was given. I definitely learned how to be more of an adult over the summer. I had to face little challenges throughout my trip. I had to find my way from place to place in a foreign country, cook food with a hot plate and find ways to explain concepts that were not always translatable in Burmese.

This experience was not only strengthened my career aspirations and increased my independence; it was also culturally eye opening. I got to immerse myself in an entirely different and unique culture halfway around the globe. I learned how to ride a bus, order food in a different language, pray at a pagoda, and so much more! I do not know what my Lehigh experience would be like without this opportunity!



# Grace Forsyth

## College of Arts & Sciences Molecular Biology



Pontificia Universidad Católica de Chile Cellular and Molecular Physiology Lab Intern

<u>Company and Position Description</u>: This summer I worked in the Cellular and Molecular Physiology Lab at Pontificia Universidad Católica de Chile. This lab, which falls under the medical research division of the university's hospital, focuses on vascular dysfunction in diseases of pregnancy. I specifically worked side by side with a PhD student, Lorena Carvajal, on her thesis about preeclampsia. Despite being one of the main causes of maternal and fetal mortality worldwide, the cause of preeclampsia remains unknown. The goal of Lore's research is to determine the exact molecular mechanism behind the syndrome in order to lay a foundation for potential therapeutic interventions. My responsibilities in the lab included assisting in experiments and maintaining the placental cell line. Additionally, I helped to analyze data and experimental results, as well as attend lab meetings and presentations.



The location of the lab in downtown Santiago





Lore and I in the lab

## Grace Forsyth Chile







Sandboarding in the Atacama Desert

Saltos de Petrohué in Northern Chilean Patagonia

<u>Value Derived from the Experience</u>: During my time in Chile, I gained invaluable professional experience in the laboratory environment that applies directly to my pursuit of a career in maternal medicine. Navigating a work environment in Spanish was a challenge, yet an experience that left me feeling confident in my ability to communicate in any context in the future. However, my most important lessons from my experience in Santiago are not professional, but social and personal. After my experience in Chile, I feel more confident in taking risks and overcoming adversity. Being a naturally reserved person, I learned to be more outgoing, and most importantly, to ask more questions. I am so grateful for the people I had the opportunity to meet, and I am moved by their ability to embrace me as if I was family, and so willingly share their culture. These takeaways are values that I will carry with me not only into my future career, but also into my life as a whole.



# Stella Garriga

Chile

College of Arts & Science Cognitive Science



Pontifical Catholic University of Chile Laboratory Intern

<u>Company and Position Description</u>: The Pontifical Catholic University of Chile (or the *Pontificia Universidad Catolica de Chile*) was established in 1888 and is one of the most highly ranked universities in Latin America. In Chile, I interned in a lab beneath the supervision of Professor Gareth Owen, whose research surrounds a wide variety of cancers. The doctoral students currently in his lab are working on theses involving gastrointestinal and ovarian cancer cells. As a laboratory intern in Professor Owen's lab, I would assist his 5 doctoral students with the experiments they were running in order to produce the necessary results for their papers. I would change cell medias in order to maintain cell lines that would be experimented on and prepare solutions that would be used in later experiments. I also helped test the incubated cell lines for bacterial infections and/or contaminations. I also made western blot gels and ran the western blots while the students did other tasks that needed to be prioritized.



Me at the headquarters of the Latin American United Nations



Me alongside one of the undergraduate students in the lab



## Stella Garriga Chile



at Cajon del Maipo





hiking in the outskirts of Santiago

<u>Value Derived from the Experience</u>: My internship demanded that I shadow doctoral students and learn how to maintain cell lines and set up crucial elements of experiments on my own. These responsibilities have allowed me to feel confident that I will be able to be self-sufficient in a laboratory setting in the future and have given me insight as to what is important in a lab and what one should be looking for when evaluating results. I will take on more responsibilities in my lab in the future because I had this experience, in which the product of my work needed to be correct and therefore was done correctly. That also leads me to the fact that this internship taught me lab skills that are used regardless of what is being studied, and hence improves my probability of success and level of contribution in whatever labs I work in in the future.

This internship has also been integral to my personal growth and led to the most drastic self improvements that I have had in my college experience thus far. I schedule almost every aspect of my life and tend to resort immediately to panic when things do not go according to plan. This character trait was immensely challenged in Chile, and I was therefore pushed to learn a lot about being flexible. I really had to push myself to enjoy the present moments more, rather than constantly being concerned with what would happen long-term. This is a huge step for me as an individual, as life rarely goes according to plan, and life would become rather difficult for me in the future if I panicked every single time something went awry.



# **Rosalie Geiger**

Paris, France

## RCEAS Civil Engineering



### Starbolt Marketing Intern

<u>Company and Position Description</u>: I worked with Starbolt, a startup electric vehicle company, as a marketing intern. The company is located in a co-working space that holds other startup companies primarily focused on city mobility. Partners of the space include Renault, Nissan, and Dassault Systemes. The workspace is comprised of a section of a large work room in a building of two floors. Each company has separate tables and dividers as well as space for their products (often vehicles). My company work was divided into short-term and long-term projects. I took pictures of the vehicles and used the website Canva to create brochures for product sales and social media content for Instagram. I then connected the Facebook page I created for them and their already existing Instagram account to the platform. This way my long-term duty of consistently posting to social media accounts became automated. Other short-term tasks were revising company PowerPoint presentations, editing English writing and street advertising. My long-term tasks included creating contact spreadsheets for potential B2B clients and creating a website to sell electric bikes.



The Starbolt team





Riding a bike during a photoshoot near the Luxembourg gardens 56

# Rosalie Geiger







The 130th Anniversary of the Eiffel Tower

My housemate and me at Versailles.

Value Derived from the Experience: This experience allowed me to spend time growing my communication, advertising, and cultural awareness skills. In the engineering track at Lehigh, many of my courses are lectures and labs, honing critical thinking processes with a focus on math and science. Holding a marketing internship in a small company allowed me to be creative and work every day in a team environment. Choosing to intern in France, I spoke French daily, which was both welcomed practice and challenging. Operating in a new country pushed me to be outgoing and persistent in normally simple situations that were suddenly new to me. I had to have confidence in my French speaking abilities in a professional environment and have conversations knowing I was going to make mistakes. I found people to be very encouraging about speaking French, and over time I saw my fluency increase. I have never lived in a city before, but in France I traveled by metro, train, bus, and the tram. This was similar to getting around any US city and allowed me to explore Paris and villages outside the city limits. Technologically, I learned to use websites focused on design, researched social media strategy, and expanded upon my experience designing websites. A benefit of working in a startup company is being able to immediately see the impact of your work. I also had the opportunity to build a relationship with my bosses. Although most of my work was independent, my bosses were always available for a quick question and the occasional team meeting. This provided my work with a quick feedback loop. There is always more work to be done, and if I finished a task early, I was given another one. This allowed me to work on projects I was not expecting to and learn new computer software. This style of work also enforced my skills of adaptability. It was additionally great experience to see the work the goes into creating a new company and the teamwork it requires.

# Jamie Ghazaii

Tbilisi, Georgia

College of Arts & Sciences International Relations



Georgian Center for Strategy and Development Research Associate

<u>Company and Position Description</u>: Through American Councils, I was paired with the Georgian Center for Strategy and Development. They describe themselves as "a non-profit, non-partisan, non-governmental organization, which intends to support Georgia's national security, to strengthen principles of effective and democratic governance of the country and to create conditions for Georgia's sustainable development." Based on the goals of the center, its work involves research, monitoring, advocacy and implementation of educational projects. I worked on projects about counter-terrorism initiatives, Russian hybrid warfare, EU integration, as well as strategic communications. GCSD does many educational public events to incorporate the community as well as hosting a selection of political and diplomatic figures.



Staff Photo In Office



Event Banner for Counter Radicalization Program



## Jamie Ghazaii <sup>Tbilisi,</sup> Georgia







Garden of Host Family's Village Home

Uplistsikhe Cave City

<u>Value Derived from the Experience</u>: My trip to Georgia truly developed my relationship building skills. Going alone to a foreign country encouraged me to talk to people I may not have otherwise and pushed me to say yes to new experiences. Being the only foreigner at the table makes you look for relatable conversation and common ground between your two cultures. Most of my education about Georgia, its political climate, as well as its culture came from everyday conversations with my local community. As for professionally, my job gave me valuable experiences of the ins-and-outs of non-profit NGO research and management. I was able to practice my analytical skills as well as my networking capabilities through the multitude of events and discussions that I had a hand in creating.



# Mary Grabowski

### Kosovo

RCEAS IBE Industrial and Systems Engineering & Supply Chain



### 3CIS Telecommunication s Intern

<u>Company and Position Description</u>: I worked at 3CIS, a telecommunication company, in Prishtina, Kosovo. 3CIS is a company that works with many different companies in the United States. For example I worked with the project managers for the majority of my time at 3CIS and they worked under the project for Comcast. The Comcast team worked with corporate migrations of routers for the respective United States company. I shadowed these project managers by sitting in on meetings that were sometimes held in English but other times held in a mix of Albanian and English. I also learned how they schedule migrations by communicating with the customers. The project managers would have to work with the network engineers to schedule migrations so there was a lot of lining up of schedules.

3CIS is a very progressive company that strives to get more women in the IT field. Around 33% of the company is women and I spoke with the owner of the company and he wants to continue to grow that number. Everyone at 3CIS was fluent in English and I was able to easily communicate with my co-workers and other people in the office. 3CIS is a top telecommunications company in Kosovo.



My coworkers at 3CIS





Outside 3CIS

## Mary Grabowski Kosovo





Balkan juice box at a Jewish cemetery in Prishtina



My host family at my host fathers 56<sup>th</sup> birthday dinner

<u>Value Derived from the Experience</u>: My time in Prishtina was the absolute best 2 months of my life. Before coming to Kosovo, I had never left the United States and my cultural experiences were limited to the people I surrounded myself with. When arriving in country I was overwhelmed and wondered what I got myself into. But within the first day and the help of my host family, I quickly became accustomed to the culture in Kosovo. I was welcomed with open arms by every person I met. They truly do love Americans and make a point to let you know they do. I started the summer holding onto a part of my American life but the more time I spent in country and the more people I got to know I was able to fully immerse myself in the culture. I was taken in by the people I met and made life-long friends and my host family in Kosovo has become a second family to me.

Around 70% of the population of Kosovo is under the age of 30 because of the war with Serbia and the culture mirrors the young population. Every day I could just walk down the street and run into people I know and the streets were always full of people regardless of the time of day. I never once had a hard day in Kosovo and my time was full of hospitable people and an amazing family. My host parents were eager to have me try all the types of food from the Balkans and I would always wake up to a different assortment of pastries my host parents would bring home. My time in Kosovo was extremely eye opening and has made me sure I want to live outside the United States later in life. I now have a much more open perspective on different cultures and life in other countries.



# Anique Groce

### Hong Kong

College of Business &Economics Marketing



### Calvin Klein Regional Marketing

<u>Company and Position Description</u>: PVH is one of the most admired fashion and lifestyle companies in the world. They power brands that drive fashion forward – for good. PVH's brand portfolio includes the iconic Calvin Klein, Tommy Hilfiger, Van Heusen, Izod, Arrow, Speedo, Warner's, Olga and Geoffrey Beenebrands, as well as the digital-centric True&Co. intimates brand. During my eleven week internship, I worked in the Regional Marketing department as an intern. My duties changed week to week depending on what my supervisor needed help with. In the first half, I was tasked with projects that tested my creativity abilities. I created the name and outlined ideas for the first and second ever publications of an internal newsletter for the Asia Pacific region of Calvin Klein that was distributed to all of the management and staff. During the second half, I was tasked with more project management assignments. I constructed spreadsheets for different agencies to utilize multiple regions' buy information across various collections and hundreds of products.



In the main lobby





The marketing department

## Anique Groce Hong Kong







Cheung Chau

Big Buddha

<u>Value Derived from the Experience</u>: The experience was transformative for me as a student but more importantly as an individual. I was able to be more independent and learn more about myself during the process. We were responsible for all of our daily activities and at first it was slightly overwhelming, but by the end, I was confident in surviving on my own. I was also able to broaden my horizons, working with people from the other side of the world everyday. I also was able to travel to over 20 places in Hong Kong and spent a weekend in Thailand. Experiencing all of the different parts of Hong Kong was my favorite part and each new place never felt the same as the last. I am very adventurous and enjoy trying new things so I tried everything that was presented to me there. This led to me having delicious new foods and snacks that I wish I could have brought back.

The internship was also extremely beneficial to me professionally. I am now comfortable with using Excel, can quickly create a PowerPoint and have experience with creative work that is currently in stores in Calvin Klein. I am also now more aware of what I do and do not want out of my career. The experience was helpful for me in planning out my future from here and I am extremely grateful for the opportunity.



# Aleksander Gulkewicz

### Bermuda

## RCEAS Environmental Engineering



### BIOS Research Intern

<u>Company and Position Description</u>: The Bermuda Institute of Ocean Sciences (BIOS) is an independent US non-profit scientific research and educational organization based in Ferry Reach, St. George's on the east end of Bermuda. Scientists and researchers at BIOS work to explore the ocean and address important local and global environmental issues. BIOS also operates the research vessel (R/V) Atlantic Explorer and is home to the Bermuda Atlantic Time Series (BATS), the longest running time series on seawater chemistry, biology, and physics. During my research internship, I worked on the glider export project. I assisted in the maintenance, calibration, deployment, and recovery of 3 Teledyne Webb Research Slocum autonomous underwater gliders. I also accompanied the BATS team on monthly cruises aboard the R/V Atlantic Explorer to take seawater samples used to calibrate the glider's sensors. Finally, I analyzed historical BATS data to examine seasonal phytoplankton dynamics that will be used to enhance the glider project's understanding of export production in the Sargasso Sea.



Deploying a glider after all necessary maintenance was completed





Taking oxygen/argon samples aboard the R/V Atlantic Explorer

## Aleksander Gulkewicz Bermuda



View across the reach from the BIOS dining area

BIOS A



Value Derived from the Experience: My experience at BIOS has provided me with invaluable research experience and clarity in my future career plans. I was able to gain experience both in a laboratory setting and aboard a research vessel, two experiences I had never had before my internship. My involvement at a research institution also confirmed that, although I am thoroughly interested in scientific environmental research, my true passion lies in environmental policy. I am more surer than ever that I want to work alongside of science, rather than directly with it, in implementing the significant findings occurring at institutions such as BIOS. Beyond these revelations, I also experienced significant personal and professional development through this internship and my time in Bermuda. I learned how to better balance work and recreation by ensuring I set aside enough time for each and by recognizing I only had nine short weeks to experience as much as possible across the island. I also enhanced my ability to cope with the stresses of a non-standard working hours job as there were several days on the ship that I would not begin sampling until after midnight. Finally, and perhaps most importantly, I made several close friends that I will strive to keep for the rest of my life. Overall, my experience at BIOS and in Bermuda was nothing but positive and has made me excited for what is to come after graduation and beyond.



# James Hanna

Malaysia

RCEAS Integrated Business and Engineering Finance, Industrial & Systems Engineering



Universiti Teknologi PETRONAS Research Intern

<u>Company and Position Description</u>: This summer I worked at Universiti Teknologi PETRONAS (UTP) in Seri Iskandar, Perak. I was a research intern focused on the technoeconomic analysis of geothermal energy extraction from abandoned oil and gas wells. I worked directly with a doctor in mechanical engineering as well as a Master's student at UTP. I performed most of my research independently and reported to my colleague and supervisor on a weekly basis. I used Aspen HYSYS to simulate several chemical inputs in the power plant to achieve feasible heat recovery systems in low temperature applications which helped us determine measurements of specific pipelines and turbines used in the plant and also determined initial costs of equipment based on their size. In addition to testing different organic compounds through Aspen HYSYS, an economic analysis was conducted to get low and efficient costs which included capital expenditure, operating expenditure, present value, and future value analysis. Quantitative analysis based on carbon emission was also studied.



Working at my desk





The library – where my colleague and I met weekly

## James Hanna Malaysia



Traffic sign in Pangkor





Street art in Penang

<u>Value Derived from the Experience</u>: The experience in Malaysia helped me develop professionally as well as personally. Living and working in Malaysia this past summer was an amazing experience that broadened my horizons in so many ways. This was my very first internship and everything was new to me. I learned a lot about the industry I was working in, working in a professional environment, and completing several tasks in a timely fashion. I also developed many leadership skills such as taking the initiative and suggesting new and more efficient ideas related to our project. Aside from the technical skills I learned at work, I became much more comfortable with presenting to an international audience and effectively communicating ideas working through slight language and cultural barriers and assimilating to a different work environment. In addition to developing professionally, my experiences helped me grow as a person. In a very short period of time, I comfortably knew my way around the city, used public transportation and communicated with locals that don't have any background in the English language. I also had the opportunity to travel on the weekends which helped me meet a lot of new people and cultivate long-lasting friendships and even consider a few people as close as family.



# Amy Hoover

## Republic of North Macedonia

College of Arts & Sciences Psychology



American Councils Youth Exchange & Study Program Intern

<u>Company and Position Description</u>: American Councils for International Education is a non-profit organization working to advance education and cultural understanding across many nations. The office is responsible for running the Kennedy-Lugar Youth Exchange and Study (KYES) and YEA broad programs. These programs allow Macedonian high school students to complete a year of high school in America and also for American students to come to Macedonia to do the same.

My intern responsibilities included compiling information about the host cities and schools for the YES 2019-2020 students, creating student profiles for each member of the program, counting and organizing materials for events and ensuring each student selectied for the program submitted the proper materials and sent a weekly check-in report.



My first day at the office



From left to right: Zdenka, myself, and Oliver



## Amy Hoover Republic of North Macedonia



The Galičnik Wedding is one of Macedonia's most traditional ceremonies





A trip to the top of Mount Vodno

<u>Value Derived from the Experience</u>: This internship gave me the opportunity to leave the United States for the first time ever and it was also my first time ever having the chance to travel by plane. Something just assimple asthat meant the world to me. I have always seen myself as an independent person, but being in Macedonia really showed me what it means to be on your own. I struggled with it at first due to my own anxiety. I didn't want to waste the amazing opportunity just because I was scared and that really pushed me to overcome my anxiety. I pushed myself past my comfort zone and it broke a barrier I didn't even know I had built inside myself. This trip turned me into a much more confident person by exposing challenges I didn't realize I had. Having them in the light allowed me to work on them and fix them. I feel asthough I grew up alot this past summer. After a few weeks I realized the work I was doing wasn't exactly what I have in mind for my furture career, so it became difficult to motivate myself. I feel like the reality of what the future is hit me. I realized that not everything I do in life will always be what I expected but I learned how to cope with it and make the best of situations I I thought would bedifferent.



# **Brianne Hughes**

Uganda

College of Business and Economics Finance



Pathways Development Initiative Intern

<u>Company and Position Description</u>: The Pathways Development Initiative (PDI) is a local organization based in the Bududa District of Uganda. PDI is focused on developing the growth of its community through education and empowerment. This is accomplished in three ways: Early Childhood Education and Development, Village Savings and Loans Associations (VSLAs) and the Sports Clinic Program. I was PDI's micro-finance intern so I focused primarily on VSLA work. This meant going into the field a lot. Field work typically involved hiking mountains upon mountains in order to consult and meet with a small group of 30 individuals who were eager to learn about saving and how to build a better future for themselves or their families. I was able to speak with community members and answer any questions they had whether it be about America or saving. Lastly, on field visits, I would collect data to track the progress (or lack thereof) of any given savings group. In addition to field work, I had office tasks. PDI lacked a proper record keeping system. Fortunately I was able to use Microsoft Office to build Excel spread sheets, Access forms, and databases. In my free time I crafted relevant artwork (i.e. maps, schedules etc.) for the empty walls of the office. Overall, I loved my internship and found it to be both rewarding and fulfilling.



Successful VSLA meeting





A map of all the VSLA locations to be displayed in the office

## Brianne Hughes Uganda







A Ugandan celebration– lots of dancing and Matooke (food)

After school all the children congregate at the pitch to play soccer and games

Value Derived from the Experience: I was exposed to a whole new way of living while I stayed in rural Uganda. Everyone smiles, says hello, asks how you are doing. This is not done out of necessity, rather it is genuine. The villagers face true hardships ranging from disease to natural disaster. During our stay, landslides devastated the region and as a result not even one month later there was a cholera outbreak. People died, people lost homes, friends, families, the list goes on and on. Despite the struggles faced and the lack of proper resources (food, clean water, electric, etc.) they continued to be the happiest people I had ever met. I was (and still am) truly inspired by their sense of community and family-everyone takes care of each other. I kept this in mind while getting through the day to day life that was still relatively new to me. There were difficult times (as expected) and normally I would complain without thinking twice, but I realized that most things I would find myself complaining about truly did not matter. Life can be amazing and difficult at the same time and that is okay. I learned to be adaptable as well as accepting of new ideas and customs. There is no "right way" of doing something. I think both of these things have propelled me as an individual and aspiring business woman. I am so grateful for the experience I had because it has helped shape me into a stronger and more understanding person. I look forward to going back one day and reconnecting with those who had this positive influence on me.



# Liam Hughes

### India

## RCEAS Mechanical Engineering



### Coworkin.co Entrepreneurship Intern

<u>Company and Position Description</u>: During my time in India, I interned at a company called Coworkin.co where I was encouraged to step out of my comfort zone and find solutions to the tasks assigned to me. Coworkin.co is a coworking company whose mission is to provide spaces for startups and small businesses to get their feet off the ground. They offer monthly payment options for flexible desking areas, along with other alternatives such as fixed desks, cabins, and virtual offices. My job during the first four weeks of the internship was in the expansion team, where I discussed floor plans with the COO, Aman Verma, and reported back to the Founder and CEO, Yatin Thakur. During the second half of my internship, I completed a competitive analysis using about a month's work of market research. Most of the research was online, but we did also go into the field and collect information by means of informal interviews and discussions.



My workplace



Completing entrepreneurship workshops at Ashoka University


## Liam Hughes

India



😔 COWORKIN.CO





Hiking to a waterfall in the Indian Himalayas (Rishikesh)

<u>Value Derived from the Experience</u>: This past summer in India has definitively changed my life for the better. I met so many fantastic individuals during my time there and I learned so much about Indian culture and the world as a whole. I've never had an abroad experience before this so the whole time everything seemed incredibly novel and exciting. There was never a point where I thought, "I wish I were back in the US right now." I was able to make some valuable connections at Ashoka University and with their partners at Ingenious Faces, who I continue to talk with and who have taught me so much—not only about entrepreneurship but also about India and myself.

One thing I noticed was that, despite India being on the opposite side of the world as the United States, the people in Delhi are incredibly similar to the people in the USA when it comes to online culture. Through our massively interconnected world, people have been becoming closer as a society without regard to their cultural boundaries.

Some things I took away from being in India were the experiences I had traveling and the memories I made with my new friends. I learned how to be a much more confident individual, and I broadened my cultural horizons to an extent which I never thought I would going into my junior year.



### **Diyor Irismetov**

United Kingdom

College of Arts & Sciences Sociology



Arthur Online Growth Team Intern

<u>Company and Position Description</u>: Arthur Online is a property management software that provides property managers with an end-to-end web-based solution that allows them to find and manage their tenants, contractors, and their letting agents much more efficiently and effectively. As part of the Growth Team at Arthur Online, I was responsible to first learn more about the company and industry through two weeks of intensive research. After these two weeks, I dived into a new direction with the Chief Technology Officer as we analyzed why Arthur Online's website was performing the way it was through Google Analytics. Through Google Analytics, I was able to provide the company critical data in a feasible matter through dashboards and charts. From there I worked close with the team to launch remarketing campaigns aimed to convert our returning prospective users into actual customers. I used Google Ads to launch display advertisement campaigns and generated reports conducted from the campaigns for the team and the Chief Financial Officer to analyze.



Working from the Company HQ



Working on Google Analytics to create insightful dashboards for the company



### Diyor Irismetov United Kingdom







At my favorite club, Chelsea FC!

London's famous museum, the VA

<u>Value Derived from the Experience</u>: Living and working in a country that's on the other side of the world really helped me grow as an individual. Responsibility was a big part of the learning curve as I saw how accountable I was for the decisions I made for myself in my personal life and career. Throughout my 2 months in London (as well as San Francisco), I learned how to communicate with people that were much more distinct from me, both culturally and professionally. Being able to work in a start-up culture of another country was honestly the perfect opportunity for me to explore my passion in a different light. The hands-on experience that I had with my inclusive work environment helped me explore my passion in much more depth. This internship paved the road for my career as now I am more excited than ever to start my own business when the time comes.

In terms of culture, London has been the perfect city to explore the various cultures found in the world, as long as you're ready for their unanticipated British accent. The beauty of this city leaves me speechless. From its stunning gardens to its exquisite museums, London has been nothing less than my dream city to live in. The two months in this busy city where everyone is constantly traveling to work really made me feel like I am ready to go out into the real world and live in it as a full-time "employed" adult.



### Marvin Jacobs

### Lithuania

College of Arts & Sciences Political Science Economics

# Sciences

### American Council EducationUSA Intern

<u>Company and Position Description</u>: As an intern at the EducationUSA Vilnius office, I provided potential students from other associated programs in American Council with information on educational opportunities with accredited U.S. institutions. This included advising and information on different resources students could use to determine how to acquire financial aid and the necessary steps in applying to American schools. My main services included individual one-on-one sessions online, by phone and by e-mail and group advising. Every Friday I also developed and presented a webinar to students who were available. This included both potential undergraduate and graduate student information and what they should, as international students, expect during their process of applying. Lastly I traveled to various locations to meet with people in-person to give speeches and answer any questions.



Group photo at work for monthly report to EducationUSA.





Photo of me at my desk for the first day.

### Marvin Jacobs Lithuania



Inside on of the many churches in Kaunas, Lithuania



Cepelinai and kvass traditional Lithuanian cuisine

<u>Value Derived from the Experience</u>: This experience helped me understand my own personal strengths and weakness to a greater degree than before. As I worked I began to see where I struggled in being a good employee and where I shined. This involved finding ways where I could contribute in meaningful ways when their wasn't always clear direction in how to precede. I also learned how to adapt to different environments. Being in a foreign country, sometimes people would misunderstand my words or not understand my intentions. Learning to change how I presented myself to others and adapt to them instead of being obstinate was something I learned and greatly value. Lastly, my view of the world was broadened greatly. Learning other people's view of the world showed me how I was somewhat narrow-minded and that I should look at all different sorts of situations in different ways. Overall, this experience led me to recognize what I needed to improve in myself and gave me valuable lessons on how to pursue that growth.



### Kyra Jenkins-Hunter

#### Armenia

College of Business & Economics Marketing



Eurasia Partnership Foundation Marketing Intern

<u>Company and Position Description</u>: I interned at the Eurasia Partnership Foundation during my time in Armenia. EPF is a non-governmental organization focused on social justice and human rights. A lot of their work consists of educating the Armenian people on the equality of all people including those who are non-Armenian, non-Christian, and/or a part of the LGBTQ community. They also continue to strive and hold good relations with the surrounding countries including Georgia, Azerbaijan, Iran, and Turkey. They do most of their work by holding conferences, meetings, schools, and workshops. My role in the office has revolved around my major which is Marketing. I mostly worked with the Communications department and helped them with social media, website structure and design, and other mini projects revolving around Marketing. I also did some miscellaneous work as well like translating documents, transcribing speeches, writing and editing articles, and conducting interviews.



My presentation on the importance of Digital Marketing



Working on a project in the office



# **Kyra Jenkins-Hunter**





Picture of me at the Garni village





Noravank Churchone of the famous churches in Armenia

Value Derived from the Experience: My experience here has showed me more about myself that I didn't even know existed. First off, going to a foreign country on your own at 21 is unheard of for a low-income family. I was unaware of all the responsibility and adapting that had to take place until I got here. After being there for 8 weeks, I noticed I was more confident in myself and trusting my own judgement and reasoning. I am very confident in what I stand for as a woman and my beliefs and values. There were many times where others questioned what I believe, but I never wavered from my values. I now understand my values way more than before. However, my experience showed me some weaknesses that I do have and how I handle my weaknesses. I'm glad to say that I handle my weaknesses as an advantage and I learned how to keep them from affecting me. For instance, sometimes I am anti-social, but I found a way to both have my space, but also socialize when it is necessary. Also, some weaknesses I thought I had turned into strengths. I thought presenting was a weakness of mine, however, after presenting twice in front of the entire office, I soon learned that I am actually great at it. I've grown a lot here and I appreciate Armenia for showing me my strengths and acknowledging my weaknesses.



### Austen Johnson

### Hong Kong

### RCEAS Industrial & Systems Engineering



### Hutchison Ports Group Operations Intern

<u>Company and Position Description</u>: Over the summer, I was able to work for Hutchison Ports in Hong Kong. Hutchison is the world's leading port network as they have 52 shipping terminals in 27 countries around the globe. As a Group Operations Intern, I was tasked with creating a global terminal profile of all of the shipping terminals in the world. This profile needed to include data such as the number of shipping containers the terminal handled annually, size of the terminal, depth of the water approaching the terminal, and various other attributes of these terminals. Since efficiency is crucial in the shipping industry, this information is very important to determine how best to implement a system of the highest possible efficiency at each terminal.



A visit to a Quay Crane



A tour of the company



### Austen Johnson Hong Kong







Nan Lian Garden with other lacocca interns

Hike to Sai Kung Beach

<u>Value Derived from the Experience</u>: This experience has helped me grow tremendously on a personal and professional level. Since the moment I landed, I was fully immersed in the Hong Kong culture. From the food to the people, it was drastically different from my normal life in the States. I learned a tremendous amount about the history of Hong Kong and China, adopted their customs, and made lifelong friends in just these two months. On a professional level, I was able to gain valuable experience in the workplace and learned plenty of new skills on the job. The most impactful part of this internship was my co-workers and learning how to navigate a professional workplace, as this was my first job in a professional setting. The skills I learned and the impact of the people I met will never be forgotten.



### Jessica Jones

#### Singapore

RCEAS Bioengineering-Biomechanics and Biomaterials



3M R&D Chemical and Material Science Intern

<u>Company and Position Description</u>: Whenever I told people that I was interning at 3M, people always said "oh like Post-It Notes, Command Strips, and Scotch Tape, right?" While those are a few of the things 3M is most famous for manufacturing, 3M designs and manufactures so much more than that; including products for automobiles, communications, design and construction, electronics, health care, safety, transportation, and much more. You may not realize it, but many products that you come in contact with every day could possibly be designed and manufactured by 3M, such as your kitchen sponges, the construction helmets that you see workers wearing as you pass by them on the street, the air/water purifier in your office at work, the privacy filter on your computer screen, the stethoscope your doctor uses during your annual check-up and even the paint on the roadways that keeps you safe and in your lane.

As a research and development intern in the chemical and material science laboratory, I was paired with a supervisor who is working to create several different epoxy-based coatings for a variety of applications. We designed anti-scratch coatings for use on glass surfaces, anti-stain coatings for use on road markings so that tires do not stain the road paint, anti-slip coatings for use on floors, and several others.



The 3M Plant in Woodlandswhere I worked





Mr. Cheng Teck Tan, myself, Erin, Megan, and Mr. Andrew Ong

### Jessica Jones

Singapore



Science. Applied to Life.



The Istana is the official house and office of the President of Singapore

Boats on the Marina Bay with several iconic structures in the background

Value Derived from the Experience: Interning at 3M in Singapore was full of new experiences for me. It was my first time out of the United States, and it was my first time having an official internship. While the thought of being in a new country for 65 days was a terrifying concept to me initially, I was able to quickly adapt to my new surroundings due to the immediate immersion into the Singaporean culture. I was suddenly surrounded by thousands of people speaking various languages (English is the "official" language of Singapore, but most people speak at least one or two other languages, mostly Tamil, Malay, and Mandarin) in an unknown city/country, thus putting me way outside of my comfort zone since I am used to living in rural "middle-of-nowhere" Pennsylvania. After the first couple days. the shock of cultural immersion began to wear off and I was able to dive head first into embracing all of the experiences that Singapore had to offer. I tasted new foods, lived in an entirely new climate (the temperature in Singapore rarely drops below 85F, the humidity is constantly 80% or above, and it rains/storms almost every day), explored my new surroundings, and gained a confidence and sense of independence that I never expected. Professionally, working at 3M allowed me to get a taste of what working in a research lab is like and how it is different from labs at school. I was able to better understand the workings of a professional environment.



### Eric Kersten

#### Malaysia

### RCEAS Environmental Engineering



University Technology Petronas Research Assistant

<u>Company and Position Description:</u> During my stay in Malaysia I performed research under a PHD student at the leading engineering school in the country, the University of Technology Petronas. I collected and analyzed data alongside a small, ethnically diverse team of four. My assigned research project dealt with assessing the forces created by ocean waves against offshore oil drilling rigs. Within the past year, Malaysia's gas and oil industry endured a tough situation as the oil sales plummeted by nearly half. In order to salvage the economic situation, the Malaysian oil company turned to cost optimization. My job for the project was to simulate the most accurate environmental conditions on multiple offshore oil platforms via a computer program. By assessing the wave forces with new technology, Malaysia can design a structure that is both safe and uses less material to manufacture.



Hakim and I working in the computer lab





Campus building where I worked

### Eric Kersten Malaysia







Supporting a good cause at the Phuket Elephant Sanctuary in Thailand On the 86<sup>th</sup> floor of the Petronas Twin Towers in Kuala Lumpur

<u>Value Derived from the Experience:</u> My experience abroad far exceeded anything I imagined. Prior to this program, I had never been outside of the country. Taking that first step was hard, but well worth it. By living and traveling in South East Asia for an extended period time, I learned what it's like to experience cultures that are entirely different than what I've always known. Not only did everyone I met spoke a different language, but small things like departing gestures were conducted differently. I learned how to approach, talk, joke and make friends with people that I never thought I would meet.

During my time abroad I had no problems interacting with the locals. No matter where I went, I was met with friendliness. I learned that no matter your background, kindness is always reciprocated. In the workplace, I learned how to communicate effectively and be comfortable in an environment that stretched across multiple cultures. Being employed in a foreign country taught me when to speak up and when to keep to myself. It also enhanced my work ethic. Though, the largest benefit from my journey came from within. Traveling alone and navigating difficult, often stressful situations boosted my self confidence greatly. I often doubt myself and choose the safest route in an unfamiliar situation but going abroad revealed to me that I must trust my gut instinct, even if it can be frightening. Most important of all, I learned to live in the moment and take advantage of every opportunity that came my way.



### Brandon Kleinert

#### Hong Kong

College of Business & Economics Supply Chain Management



#### Hutchison Ports Commercial Development Intern

<u>Company and Position Description</u>: For the duration of my time in Hong Konq, I worked as a Commercial Development intern at Hutchison Ports. Hutchison Ports is the world's leading port terminal operator, accounting for a large portion of the world's sea-borne container traffic. In the Commercial department, my job dealt primarily with keeping the company informed. On a day to day basis, I was tasked with gathering industry relevant news from multiple sources, editing it down for clarity and distributing it via the company news distribution system. I also had the opportunity to author two analysis articles in my time at Hutchison Ports. One of which dealt with an analysis of the shifting global manufacturing landscape, and the other provided an update on the current state of the third party logistics industry. I had the opportunity to interact with individuals involved in shipping lines, raw materials sourcing, warehousing and port terminal operations. I had an invaluable opportunity to gain insight into many different aspects of the supply chain first hand, and I took advantage of those opportunities to the fullest extent.



Colleagues





Hutchinson Port Headquarters

### Brandon Kleinert Hong Kong



Hong Kong skyline



Local neighborhood

<u>Value Derived from the Experience</u>: This experience proved invaluable in my personal development. The opportunity to travel across the world and gain insight into a new culture is one that I would not have had if it were not for this program. I feel as though my horizons have been broadened beyond what I once thought possible. Not only do I now have an understanding of the Cantonese culture found in Hong Kong, but the experience I gained relative to my major will assist me greatly in my future endeavors. As a supply chain management major, the inside perspective on how a supply chain and its different aspects function on the other side of the world will set me apart from others, and I could not be more thankful. Hong Kong is a beautiful place, and I long for the day that I may return to relive my experiences and reconnect with those I left behind. It is certainly a volatile time in the city, but the passion and love that the Hong Kong people express for their city makes me believe that no matter what happens, it will have a bright and thriving future. I feel as though I have become a more well rounded individual, newly tooled to take on a variety of challenges that may face me. I am eternally grateful.



### James Lamphier United Arab Emirates

RCEAS Integrated Business & Engineering Civil Engineering & Finance



DeSimone Consulting Engineers Structural Engineer Intern

<u>Company and Position Description</u>: DeSimone Consulting Engineers is a structural engineering consulting firm based in the United States. They have offices in China, Columbia, and the United Arab Emirates. I interned in the Abu Dhabi office. Our office is contracted by companies all over the Middle East for improving structural designs. While I was there, I helped the firm work on improving the design of a high rise building located in Dubai. A previous company had poorly designed the columns, shear walls and outriggers so the owner of the building hired DeSimone to redesign them. My primary roll was calculating the bill of quantities. I also worked on buildings in Qatar assisting in checking the safety of the structures.



Modeling a floor using SAFE





Typical column schedule

### James Lamphier United Arab Emirates



DESIMONE



Exploring the desert with a camel

#### Sheik Zayed Grand Mosque

<u>Value Derived from the Experience</u>: I came into this internship with very little professional and cultural experience. I had not yet taken specific structural courses, and I had only left the country once (two days in Canada). The office made me feel so comfortable to be there right away. In the office, I learned a lot about the structural engineering process. I was thrown right into new software and complicated drawings, but everyone was more than willing to help me whenever I was confused. At the end of the internship, I presented my main project for the boss, and he told me that it would be used for their future work. I felt like I was making a real difference with the work I was doing.

Outside of the office, I deeply explored the city of Abu Dhabi. Some of my favorite spots were the Sheik Zayed Grand Mosque, a Desert Safari, Central Souk in the World Trade Center and my day trip to Dubai. The food was unbelievable, and I was able to try food from Egypt, Lebanon, India, Turkey, and many other areas of the Middle East. We even ate together as an office weekly which introduced me to many new dishes.

Overall, I learned so much about the world, engineering, and myself over these two months.



### Janelle Laros

#### Hong Kong

College of Arts & Sciences Architecture



Calvin Klein Retail Store Planning and Development

<u>Company and Position Description</u>: This Summer I worked in the Retail Store Planning and Development Department at Calvin Klein in Hong Kong. Calvin Klein is an iconic, American fashion brand that is famous for their designer jeans and underwear collections. I worked in the Retail Store Planning and Development department. I spent the first half of my internship working with the Store Planning team which focused more on retail design aesthetics and how to translate the Calvin Klein brand image into store design. This part of my internship was more interior design based. My projects were focused on researching stores of the future and designing new store fixtures. The second half of my internship, I worked with the Development team which was more based on project and site management. I researched new digital elements which could be implemented in Calvin Klein stores and designed multiple versions of a material sample box. Overall, I was able to apply what I've learned in my major as well as grasp an entirely new set of skills in my field.



Working at my desk





My department and I celebrating a coworkers birthday

### Janelle Laros Hong Kong



### CALVIN KLEIN



Riding bikes on Cheung Chau Island

Big Buddha on Lantau Island

<u>Value Derived from the Experience</u>: The lacocca International Internship Program helped me personally and professionally develop because it gave me the opportunity to work, live, and learn abroad while exploring a career path in my field and in a completely new city. Hong Kong is such a diverse city with so much to see and experience. My summer in Hong Kong was also greatly impactful because of the 2019 Hong Kong protests which were taking place during my summer living there. Taking the MTR to work, seeing all of the notorious Hong Kong sites, trying Cantonese food, and learning about Hong Kong's culture and history not only greatly expanded my world view but also made the Hong Kong protests more vivid and intense because of my connection to the city.

Professionally, getting the opportunity to work at Calvin Klein with the Store Planning and Development Department shaped my understanding of the architecture and design field. I had never before had experience with interior design. It gave me a more clear understanding of the path in architecture I want to pursue.



### Minh Le

Italy

College of Arts & Sciences Journalism Graphic Design



Luxos Magazine Editorial Intern

<u>Company and Position Description</u>: For two months, I worked at Luxos — a luxury travel magazine headquartered in Milan, with correspondents across Europe and Asia. Published biannually in print and daily digitally, the magazine provides readers with a multilingual guide to the best luxury hotels, restaurants and shopping experiences, as well as lifestyle, fashion and beauty. As an editorial intern, I did research on a daily basis and wrote articles on travel guides to destinations around the world for the digital version. I also got to write features for small cities, which are broken down into three categories — do, dine and spend — for print and adapt materials from the archive for web. Another responsibility of mine was to contribute to the editorial calendar across all social media platforms and specifically cultivate content for Instagram to inspire readers, promote advertisers and increase engagement.



My supervisor Lavinia, my fellow intern Brielle and me.





My work space at our openplan office.

# Minh Le



LUXOS



Milano Pride 2019

Venice

<u>Value Derived from the Experience</u>: This internship was one of my first nine-to-five jobs, so having to stick to a fixed schedule while remaining productive and inspired throughout the day was difficult at first. However, instead of going into a task with the same approach every single time, I tried my best to improve upon my writing, my research and my articulation one task after another. As a result, not only did the tasks became lighter because I was actually invested in them, but I also put more emphasis on the aspect of learning from work, which, in my opinion, is a vital part of doing an internship. Moreover, grounding my sense of creativity within a strictly structural system based on tasks massively increased my productivity because I felt like I was constantly being pushed to finish so that I could move on to something else. Also, my writing style is very different from that of Luxos, which is something I'm eternally grateful for. I've learnt that adapting does not equal compromising. Asking a lot of questions and being articulate in what I was doing, as well as listening to directions, were key factors to striking the perfect balance between meeting the criteria and being true to my voice.



### Greg Makris Malaysia

#### RCEAS Environmental Engineering



UTP (Universiti Teknologi Petronas) Research & Data Analysis Intern

<u>Company and Position Description</u>: I worked at the Universiti Teknologi Petronas in Perak, Malaysia as a research and data analysis intern. I was given the assignment of researching the methods of pollution control and waste disposal on construction and demolition sites. I worked alongside two PhD students, who were using a program called SuperDecisions ANP (Analytical Network Process). I had to learn how to use the program, which was used to help companies make complex decisions by creating a ranking system that compared many different variables in a decision. Each pair of variables was set side-by-side and rated in level of importance by a group of professionals on the topic. During my 6 weeks in Malaysia, I was able to learn so much about the problems of pollution and waste management from construction and demolition sites, and can now use this new knowledge in my career to help combat the issue.



Working at my desk on the ANP software





The library at UTP, where most of my meetings were held

### Greg Makris Malaysia







Visiting an elephant sanctuary in Phuket, Thailand Adventuring on the island of Pangkor, Malaysia

<u>Value Derived from the Experience</u>: My internship in Malaysia was the first time I had been outside of the United States. Being so far from home and everyone that I know, I definitely realized that the comforts, that have been right within my reach for my whole life, were now mostly gone. I really had to go out of my comfort zone to meet new people, create a new routine, and adjust to the cultural differences. However, I knew that I should expect these challenges and felt prepared to make the adjustments. Malaysia was completely different culturally. Everyday aspects of life were something new to me. I was surprised by how friendly and welcoming people were. People did not eat food with utensils but rather with their hands. Many didn't go into work until ten in the morning and most would still be back by four in the afternoon. Each day, I was able to pick up on some minute detail of the Malaysian culture throughout my internship.

I very much value the friendships that I made in Malaysia. I plan to keep in touch with the other interns at UTP that I established relationships with long after I have left. I deeply value all of the life-changing experiences I had with these people during our trips around Malaysia and the memories that came with it. I was able to travel to Phuket and Hat Yai in Thailand and Pangkor, Penang, Ipoh, and Kuala Lumpur in Malaysia, all while on my trip.

All in all, the experience exceeded my expectations. It definitely helped open my eyes to a culture unlike the ones I have known all my life. I learned how to constantly adapt to challenges and I know that will greatly benefit me in my career and the rest of my life.

### Joseph Malisov

#### Croatia

College of Arts & Sciences Computer Science



PAR University College Media Transformation Specialist

<u>Company and Position Description</u>: PAR University College is a small private university situated in Rijeka, just one block from the city center. They mostly focus on business-related degrees. During this past summer, I applied my skills in photography and videography to videotape and edit testimonials of past students, make commercials featuring the University and the city, and create blog posts to be used for marketing. My work included going to various sites to film past students, including a football stadium. In addition, I used Adobe Premiere Pro and Photoshop extensively throughout my time at PAR.



Photo taken while I videotaped a tour of the university



Photo taken post-interviewing professional basketball and volleyball players.

### Joseph Malisov

#### Croatia





standing atop Mt. Ućka



in front of Ancient Ruins

Value Derived from the Experience: It was great to work in an environment where my

work was appreciated, and I truly got the feeling that I contributed something. It was a learning experience creating artistic work for clients, as taking in others opinions and working with them was essential. In addition, I had to learn a video editing software that I was unfamiliar with on the fly. I am grateful of that pressure, as I am sure I learned more by actually doing it then I would have if my work held no importance. All my hard work paid off when I saw some of my videos were taken to conferences and uploaded to Youtube to be used as advertising.



### Laura Marsiglio

France

College of Arts & Science IDEAS



Laboratoire Ondes et Matière d'Aquitaine Research Intern

<u>Company and Position Description</u>: I worked as a research intern for the Laboratoire Ondes et Matière d'Aquitaine as part of the Optofluidics group. The research project I contributed to was an ongoing effort to develop optorheology techniques. Typical rheometers require a large sample size, are destructive, and can only be used on a limited range of materials, but opthorheology overcomes these obstacles. I spent the first few weeks familiarizing myself with optics and Spyder, the programming language we used to analyze our experimental data, before starting my work in the lab. In the lab, I used two laser beams to induce and monitor the deformation of a polymer solution. Using an oscilloscope, I collected the experimental data and analyzed it with a program written in Spyder. This program allowed for analysis of the dynamics, viscosity, and viscoelasticity of the solutions and produced values very near published values for the material properties. At the end of my time at the lab, I presented my research to colleagues in my lab, as well as to researchers from nearby labs in order to demonstrate the knowledge and understanding I gained during my internship.



Using a pipette to place the sample solution on a glass prism for testing.



Safety glasses! The green laser used in the experiment was very powerful

### Laura Marsiglio France



LO/MAR5798

Laboratoire Ondes et Matière d'Aquitaine



The Water Mirror which sits along the Garonne River in Bordeaux and reflects the Place de la Bourse.

La Cité du Vin – a wine museum in Bordeaux designed to look like wine swirling in a glass.

Value Derived from the Experience: Travelling abroad for any reason is a thrilling and incredibly rewarding experience but spending nearly two months living and working in a foreign country provides a unique opportunity for growth. After returning from a summer in Bordeaux, I have found that I am more confident, better at problem solving and critical thinking, and more open to lifestyles that differ from my own. As the only person familiar with the French language in my group program, I was forced to step out of my comfort zone and take the lead as we navigated the country. While it was difficult at first for me to take on this role, as the summer went on, I became more and more confident in my ability to interact with waiters and cashiers. I had taken four years of French in high school, but there were still many words I did not know. As a result, my critical thinking skills improved as I used context and cognates to understand signs, menus, and other posted information. I also feel that I am more resourceful and better at thinking on my feet because there were several situations this summer where public transportation was not running as expected, or things otherwise did not go as planned, and I was forced to quickly analyze the situation and create a new plan. Additionally, being exposed to new cultures as I travelled to other countries and worked in a multicultural environment caused me to realize that it is easy to be close-minded without being aware of it. We all have unconscious biases towards people and cultures, as well as expectations for the way that we think things should be done. However, it was not until I was fully immersed in a new culture that I realized that the way I was used to doing things was not necessarily the best way. I now have a desire to see more of the world because I feel it will help me better understand myself.



### Morgan Massino

#### France

RCEAS Chemical Engineering



Solvay Research Intern

<u>Company and Position Description</u>: During my internship I worked in the Laboratoire du Futur, which is owned by the chemical company Solvay. Solvay conducts research on many topics, including advanced materials and polymers. The people working in the lab had a diverse range of experiences—full time employees, PhD students, and other interns. My job was to assist a postdoc with his research in microfluidic chips, which are devices that can be used to model systems at a very small scale. A majority of my internship was spent perfecting the protocol for their fabrication, so I would spend many days only making chips. The rest of my time was spent testing the devices, creating membranes within them, and attempting to crystallize protein within them.



Taking a coffee break with other interns



All of the interns and advisors on presentation day



### Morgan Massino France







Dune du Pilat, the tallest sand dune in Europe

Cathédrale Saint-André, a cathedral in city center Bordeaux

<u>Value Derived from the Experience</u>: Before traveling to France, I had never been outside of the United States, so leaving the country was an eye-opening experience for me. I was able to interact with different cultures and form valuable relationships with people from all over the world. Everyone at Solvay was very welcoming and more than happy to help me in any way possible, even if communication was slightly challenging due to language barriers. I made a lot of progress in my research because of everyone's help and support. This experience helped me gain confidence in myself and become more independent. By the end of my two month stay, I had no qualms about navigating around Bordeaux or taking any kind of public transportation on my own. I can now say that I would be comfortable taking on any sort of opportunity presented to me in the future and know that I will be able to work through it. Additionally, this internship helped me to determine what I want to do after I graduate from Lehigh. I used to be very unsure of what to do, whether to get a job immediately or to seek an opportunity in higher education. Doing research in a chemical lab for two months helped me to realize that I would like to continue my studies, possibly even in France! Overall, I could not have been happier with my experience, and Bordeaux will forever hold a special place in my heart.



# Alexandra Meisse

#### Germany

### RCEAS Computer Engineering



#### TU Dortmund IUL Research Intern

<u>Company and Position Description</u>: My Iacocca Internship location was Dortmund, Germany. While there, I interned at one of the many institutes that work in cooperation with TU Dortmund. The institute I worked for, called the IUL, is an abbreviation in German that translates to institute for forming technology and lightweight construction.

The research done at the IUL was predominantly in the fields of industrial and mechanical engineering. Under my supervisor, it was more specifically forming technology and the bending of metals. My supervisor, Juri, a PhD student was working on creating a new machine for the 3D bending of rectangular metal profiles. The purpose of this invention would be to eliminate some of the errors caused by bending by former, more primitive bending machines.

My part in the project was to write a code in C++ that would read in a file input of CAD geometry points, and based on those numbers, make the necessary calculations for where the bending rollers would be located at each moment in time. During this loop, the outputs were also being formatted into the proper organizational structure to then be physically inputted into the machine. In order to make these calculations, I was required to research vectors and some advanced calculus used in similar technology. The final result of my code was saved to a new file location for future use.



Mascheninbau III: the building I worked in every day.





Posing in front of the framework for the bending machine.

### Alexandra Meisse Germany



Institut für Umformtechnik und Leichtbau





Dortmund's market square

<u>Value Derived from the Experience</u>: I like to think that I have always been an independent and adaptable person, but I didn't truly know what that meant until I went to Germany essentially on my own. So many things are different about Germany and the USA—the public transportation, the lack of use of credit cards, meals and traditions surrounding food, but most of all, the nonexistence of air conditioning. I had to quickly adjust to these changes in order to function daily.

I walked a mile to and from work every day and had to navigate the train and subway systems to go eat dinner every night. There was basically no food nearby, so in order to eat dinner every evening, my friend and I would have to catch the train to Dortmund center city. One of the biggest lessons I learned in Germany is that public transit there runs on its on clock. As a result, I learned to be diligent in double and triple-checking late and early trains and what the weather was going to be like that day that might affect them. Otherwise, you end up stranded at a train station for a while. All of this navigation and research in travel really improved my directional and planning skills in a big way.

One of the other takeaways I had was to respect and partake in the culture of the place you are in. I quickly discovered, that in Germany, people really don't waste food. At a restaurant, if you do not finish your food, the waitstaff gets offended that the food might not have been okay, and in dining halls, if you don't finish your food, you pass it along your table until someone finishes it. While this was a new concept for me—being able to take leftovers home and throw food out if I'm full at home—it was neat to see how seriously Germans take food waste and to partake in the practice made me feel good about not wasting.

### Gaby Montes

#### Barcelona, Spain

College of Education 5 Year Elem. Education Masters Program, ESL Certificate Psychology Major



Col'legi Badalones Conversational English Teacher

<u>Company and Position Description</u>: My internship was at Col'legi Badalones, a primary level charter school in Badalona, Spain. The school housed grades one through six. I served as a Conversational English Teacher and was responsible for preparing my own lesson plans and teaching my own lessons to the different sections of grades three to six. For grades four to six, I would take half of the class with me to my classroom and work through activities I had prepared that were designed to strengthen their conversational English skills and provide them with opportunities to practice conversing in English with their peers. An example of a lesson plan I prepared was having the sixth-grade students plan a trip with their partner and fill out a sheet with their trip details. This was to enable them to practice using the future tense "I will." Then, I had students interview other groups and be interviewed to have them converse with peers and practice both asking and answering real questions. For my third-grade classes (as pictured below), I led instruction of the entire class. I would choose one of many topics provided to me by the teacher and prepare a lesson plan that taught and enabled them to practice that particular skill.





Interning at Col'legi Badalones, a primary level charter school in Barcelona



### Gaby Montes Barcelona, Spain







#### Enjoying the many facets of Barcelona

<u>Value Derived from the Experience</u>: I learned and grew a lot from my experiences at my internship in Barcelona. I had the opportunity to apply all the lessons I learned in college about the best ways to teach a secondary language and gained the experience of being a teacher responsible for my own classes and lesson planning. I also learned how to be more flexible and to be able to create lesson plans in a moments notice because my bosses gave me things as I was already walking to pick up my class. This ability to think and adapt quickly to a changing situation is a very important skill for my future career as a teacher because things often do not go as planned. This internship experience in which everyone spoke Catalan gave me the personal experience of not understanding what people are saying – a frustrating experience that will help me relate better to my future English Language Learner students. I experienced firsthand the frustration and isolation that these students may feel because they do not speak English. In addition, this internship taught me that I am on the right track because education, specifically teaching language learners, is something that I am passionate about and that makes me happy to wake up and do each day. I loved meeting my students and hearing them tell me how much they loved the activities I had prepared. The best moments were when shy students who normally didn't speak felt comfortable speaking and participating openly in English. That really made me feel successful and proud.

This internship gave me direct experience working on everything I am studying at school. I want to be an elementary school teacher and I am working to obtain an English as a second language certification so that I can have the skills to help my future school students learn languages. This internship gave me direct experience in preparing lesson plans and teaching my own language student classes. It made me discover the best and most creative ways for my students to produce English and want to participate in communicative activities. It allowed me to practice creating a comfortable classroom environment that motivated students to participate in the language they are learning. It also gave me the experience of teaching students who speak a language that I do not (Catalan) and navigate that language. This internship also made me think firsthand about the cultural differences that may exist and about showing cultural sensitivity within the classroom, which is something I should always do in the future as a language teacher. In addition to all this, the cultural difference taught me flexibility and adaptability and prepared me for the reality of being an elementary school teacher. At any given time, the plan may change due to the needs of the students or a snow day, and I must be ready to adapt in a moment.

### Anna Nicosia

#### Bermuda

College of Arts & Sciences Molecular Biology



Bermuda Institute of Ocean Sciences (BIOS) Research Intern

<u>Company and Position Description</u>: BIOS is a multi-faceted research institution that tackles issues from climate change to invasive species and investigates their impact on the earth's oceans and aquatic ecosystems. Here, I worked as a research intern seeking to determine the effect of temperature on the light-use-efficiency (LUE) of corals. Essentially, LUE is a measurement of how effectively corals can utilize the light they absorb, and thus represents the overall health and productivity of reef systems. Therefore, we aimed to better understand the impact of warming ocean temperatures, driven largely by global climate change, on the metabolism of coral reefs.



Running incubations to measure the rates of photosynthesis and respiration of corals at different temperatures



One of the two water samplers we deployed into the Atlantic, to gain insight into changing ocean conditions



# Anna Nicosia



BIOS





*Historic St. Peter's Church in St. George's* 

Sunset from Whalebone Bay

<u>Value Derived from the Experience</u>: The ability to design an experiment and see it through from start to finish was such a unique experience as an undergraduate student. This undertaking taught me not only the dedication and tenacity it takes to succeed in the research industry, but it also allowed me to prove myself as an independent, capable scientist. In anyone's early career, the first time the training wheels really start to come off can be daunting, but taking that initial risk and succeeding is an invaluable experience. I will be walking away from this internship as a self-assured researcher who, with great guidance, truly began to pinpoint my strengths and weaknesses, actively collaborate within a diverse research team and more deeply understand the scientific process.

As the most senior intern on my research project, I was also quickly thrown into a leadership position that called on me to organize and delegate tasks. I was pushed to communicate more with the members of my team to ensure expectations were both known and met. Moving forward, I know I will be more confident taking the lead in lab operations when need be and more confident in my abilities to see what needs to be done and devise a plan for my team to execute it.



### John Ogden

#### Hong Kong

College of Business & Economics Finance



Hutchison Ports Commercial Development Intern

<u>Company and Position Description</u>: During my time in Hong Kong, I worked as a commercial development intern for a company called Hutchison Ports. Hutchison Ports is the second largest port operator in the world, handling tens of millions of shipping containers (TEUs) every year in over 27 countries around the world. As a commercial development intern, I was tasked with conducting research and analysis on various macroeconomic trends that could potentially impact the operations and business activity of Hutchison Ports. I found that much of my work was related, in some way, to what I had studied in my business and economics courses at Lehigh.



Tour of the port, where we climbed to the top of a quay crane





The lobby of Hutchison Ports, where I walked into work every day
### John Ogden Hong Kong



The view of the Hong Kong skyline from Victoria Peak



One of Hong Kong's many beautiful sandy beaches

<u>Value Derived from the Experience</u>: This internship experience exposed to me to work in a corporate environment, which allowed me to improve my professionalism, communication skills, work ethic, and ability to work as a team member. Outside of my internship, I was exposed to a foreign culture that, while initially daunting, ultimately permitted me to step outside of my comfort zone on numerous occasions to explore the many different cuisines of Hong Kong. Whether I was taking in a view of the skyline from Victoria Peak, or enduring a 90 minute bus ride to a remote fishing village, I found myself appreciating every aspect of the whole experience. When it was eventually time to return home to the United States, I took note in just how much more open minded and appreciative of exploring foreign cultures I had become as a result of my time in Hong Kong.



# Keenan Overa

Moldova

College of Arts & Sciences International Relations



American Language Center at American Councils ALC Intern

<u>Company and Position Description</u>: The American Language Center is located at the Moldova American Councils office and serves as one of the premier English language schools in Chisinau, Moldova. Along with coordinating with the other programs of American Councils hosted in the same office (including FLEX, TOFUL, etc.), the American Language Center (ALC) hosts a variety of English courses (such as business, medicine, or IT) both to independent and professional clients from throughout Moldova. In addition, the ALC hosts a variety of extracurricular events to help facilitate intercultural learning and cultural exchange with native English speakers outside the classroom for Moldovan students.

My internship focused primarily on the fields of International Education and Education Management. As the ALC intern, I helped assist classes as a native English speaker, organized and hosted English movie nights with literary discussions, and hosted cultural events such as a 4<sup>th</sup> of July celebration. I also volunteered at a summer camp hosted by American Councils for English students from former Soviet countries. In terms of Education Management, I conducted research and compiled reports on student-teacher relations, performance, and feedback. I also gathered data on past internships in Moldova hosted through American Councils and submitted a report to better inform American Councils on adjustments that could be made. Finally, I organized a set of materials for preparing future students for internships in Moldova.



Working on administrative materials at my desk.





Office co-workers!

### Keenan Overa Moldova



The cave monastery at

Old Orhei, Moldova.





The famous Lavender fields of Moldova.

Value Derived from the Experience: Although neither of my majors are directly in the field of International Education, my background in International Relations and foreign language studies was incredibly useful and relatable for my position. In becoming more accustomed to working in an international environment, I was able to significantly practice my Russian skills and use them throughout the program both professionally and in everyday life. Furthermore, I was able to take Russian classes in my spare time as well as practice Russian at home, as my host family primarily only spoke Russian with me. I also refined both my professional skills in the fields of project management and foreign language acquisition, but also improved my soft skills such as critical thinking, adaptability, and resourcefulness.

My time in Moldova also allowed me to better understand post-Soviet society in the context of daily life. As my major in IR focuses on politics, history, economics, and society, it was remarkably valuable to live in post-Soviet society and witness everything firsthand. During my stay, I was also able to complete a life-long dream of visiting Ukraine and seeing the historic and famous cities of Kyiv and Odesa. Finally, I reaffirmed my capacity to live and work in a foreign environment for an extended period of time and continued to appreciate the cultural differences that exist around the world. I have complete faith in myself should I work abroad in my career that I not only will rise to the challenge of doing so but will approach and embrace such a situation with open arms.



# Leah Pasch

#### China

#### RCEAS Bioengineering



#### National Instruments Engineering Intern

<u>Company and Position Description</u>: I interned this summer at National Instrument's Shanghai branch. I worked in the Applications Engineering department along with another American intern and several Chinese interns. Most of my internship experience focused on learning a program called Laboratory Virtual Instrument Engineering Workbench, or LABVIEW. LABVIEW is a program that uses a graphical programming language that lets users create programs by manipulating elements graphically instead of textually. After learning LABVIEW, I learned about its applications by creating an educational video about The NI Educational Laboratory Virtual Instrumentation Suite (NI ELVIS). The NI ELVIS combines laboratory instruments in a compact form and comes with laboratory material and complete experiments that use LABVIEW along with it. Learning LABVIEW and understanding its applications along with the NI ELVIS took critical thinking and the ability to quickly learn and understand the NI ELVIS well enough to be able to teach about it. While at National Instruments, I not only learned about LABVIEW and National Instruments' many different software, but I also learned how an international workplace functions.



NI Educational Laboratory Virtual Instrumentation Suite (NI ELVIS)





An example of the graphical programming language used by LABVIEW

## Leah Pasch

#### China

NATIONAL



Huangshan Mountain Range, or Yellow Mountain



Lehigh Students inside The Forbidden City

<u>Value Derived from the Experience</u>: While at National Instruments, I learned and worked a lot with LABVIEW and its graphical programming language. Beforehand, I had little to no experience with computer programs and coding. However, I was able to adapt and be independent by learning how to self-teach, find new resources, and ask questions that would benefit both my mentor and myself. This has greatly improved my academic skills as well as my confidence in what I can accomplish. I became more adaptable and open-minded as I became accustomed to the Chinese workplace and the Chinese way of life.

My eight weeks in China were amazing. In the beginning, I experienced a language barrier and was exposed to a completely new culture and way of life. This experience pushed me to be the person I am today. I am now more independent, confident, and unashamed to try new things and make mistakes. I came back to America with a new perspective and the ability to handle anything life may throw at me.



### **Reesha Patel**

Amsterdam, Netherlands

College of Arts & Sciences International Relations and Economics University-Industry Innovation Network Global Intern

<u>Company and Position Description</u>: The University-Industry Innovation Network promotes and facilitates interaction and connections between higher-education institutions and industry partners. Specifically, through studying the relations of actors in fields of entrepreneurship and innovation, UIIN strives to research and develop best practices that further connect and prosper these relations. I worked to help prepare and promote UIIN's annual conference held in Helsinki, Finland as well as networked with industry professionals from around the world. Furthermore, I travelled to and compiled a case study of the renowned GIANT Innovation Campus in Grenoble, France, where I conducted interviews and attended the French-American Workshop alongside other international students. Lastly, I had the chance to visit and explore the Science to Business Research Center in Munster, Germany where UIIN had its beginnings as well as speak to passionate entrepreneurs and research students who work to stimulate innovation in the city.



Working alongside UIIN team members at the annual conference in Finland





Presenting to my coworkers regarding my two month professional experience

### Reesha Patel Amsterdam, Netherlands



Fellow intern Mustaffa and I travelling in Geneva, Switzerland



Sitting amongst the French Alps in Grenoble, France

<u>Value Derived from the Experience</u>: Throughout my two month experience, I was fortunate enough to have a dedicated team of UIIN employees to learn from and engage with. Without their support and guidance, I would have never been able to overcome challenges and strengthen my skills, both in the workplace and beyond. By presenting and gaining feedback from our coworkers, I derived a greater sense of confidence and ability for public speaking and sharing information efficiently. Furthermore, my networking skills and interpersonal capabilities developed drastically as I interacted in many cross-cultural social events.

Outside the workplace, constantly navigating between foreign countries greatly improved my skills for international communication and travel. I feel confident that, no matter what challenge comes along, whether it is my home country or abroad, I can figure out a solution. Meeting and interacting with people from around the world in the international city of Amsterdam, I learned countless lessons from their colorful and inspiring stories. Overall, I appreciated this window into the multitude of lives I never would have ever dreamt of meeting prior to this experience.



## **Brielle Paul**

Italy

College of Arts & Science English



LUXOS Magazine Digital Content Intern

<u>Company and Position Description</u>: This summer I worked at Luxos, a luxury travel magazine that is based in Milan. The magazine features guides on the very best ways to spend time in cities all over the world, providing information on where to shop, dine, and stay for the most luxurious experience possible. One of my responsibilities as the Digital Content Intern was to write articles for the magazine's website, which included many city guides and features on luxury hotels. Often, I would re-write print articles to make them more web-friendly for the site. I also had the opportunity to create content for Luxos' Instagram page. This entailed extensive research for images and interesting places to feature and the creation of informative captions to engage followers.



Working at my desk





With my supervisor, Lavinia, and co-intern, Minh

### Brielle Paul Italy

LUXOS



Duomo Cathedral Milano



Exploring Venice

<u>Value Derived from the Experience</u>: My time in Milan and at the internship at Luxos, as a whole, has been an experience of learning and growth. I came in to this opportunity with previous work experience and a solid idea of the career path I wanted to head down. Having that helped me adjust in some ways and challenged me in others. Knowing what I wanted out of my time abroad certainly helped me set some goals for myself, but at the same time, my scope was a little limited. Because I want to go into the digital marketing field, I found it challenging to be doing a lot more writing and journalism work then I thought I would be. There were times when I felt like I wasn't learning the skills necessary for my chosen career path. But as time went on, I began to build on and master professional skills from past work experiences and tailor them to my daily tasks at Luxos. Being immersed in Italian culture and learning how to navigate an unfamiliar setting allowed me to become more open-minded about how I view my professional path and helped me grow as an independent person.



## Kristine Phan

#### Japan

#### RCEAS Electrical Engineering



Nagoya Institute of Technology Research Intern

Company and Position Description: At NIT, I researched under Professor Daisuke Anzai, who specializes in electrical engineering-biomedical devices. I was given a project of researching antennas and their path loss with the hopes of finding better antenna designs; as distance between transmitting and receiving antennas increase, the signal between the two declines more and more. The first step in creating an antenna is simulation with the use of computer software – in my case, I learned and used SEMCAD that utilized FDTD, finitedifference-time-domain, to calculate S11 or S22, the amount of power reflected or lost. With this measurement, I found its range of frequencies where it "worked" and could transmit a signal. The next step consists of constructing the antenna. Learning EasyCAD and Auto Lab (which had its instructions in Japanese characters), I was able to transition the antenna from 2D to 3D. Lastly, with the help of one of the Master's students, Kent Kamiya, I was able to learn how to test antennas, testing both S11, S21, and S22 with the use of the Network Analyzer and liquid phantom, which represents lossy human tissue (and its dielectric properties). By testing both S11 and S22 first, making sure S22 (the receiving end) could receive the entire range of frequencies from S11 (the transmitting end), I could finally test S21, the gain of power, to see how effective the signal between the two was. As there were many graduate students, each student had his/her own projects focusing on antenna signal; however, each person had different electromagnetic characteristics and either focused on simulation or on conducting experiments. In addition, as they were Master's/PhD students, many of the constants and dielectric properties used in each person's projects were found through independent research. I was able to work on my own and learn how to use the many programs as well as conduct independent research to find the correct parameters. This gave me a better sense of independence.



Wang and Anzai Lab during Seminar in Fukui

ca International Internship Program



Final Presentation on Body Area Communications

#### Kristine Phan Japan







View of Ryozen Kannon, a temple in Kyoto, Japan

Wearing Yukatas at Marine's Day Festival at Port of Nagoya

Value Derived from the Experience: Personally, I believe this program has allowed me to become more patient and open-minded. I have learned to enjoy many things that I did not like before, including research and bean sprouts. My experience really embodies the saying "don't knock it until you try it." I have learned to become more relaxed and appreciative of the little things. I would usually stress over small things, but I have really come to enjoy simply taking in my surroundings as I go and immersing myself in the culture and atmosphere around me. I have also found joy in learning again as it was applied to real-life, revealing how electrical engineering can impact others as well as me and can contribute to daily life. The application was very special to me since the things I was learning in my classes were very "basic principal"-esque, so I found it a bit dull. It reassured me that I was on the right path career-wise and gave me a new-found sense of "learning for the sake of learning." I researched many things on my own to simply broaden my knowledge or make navigation around a foreign environment easier. Thus I have increased my knowledge in UWB antennas, dielectric properties of humans, Japanese culture, Japanese language, and more. Not only was it helpful in my time in Japan, it was also enriching and engaging. I would not give up the experience for anything and am so grateful to have been accepted into the IIIP program.



## **Taylor Pistone**

#### Netherlands

IDEAS
Electrical
Engineering/Cognitive
Science



<u>Company and Position Description</u>: The UIIN specializes in building relationships between colleges and businesses. My role as an intern involved creating a case study on Tec Labs at the University of Lisbon in Portugal and then presenting the information. In addition UIIN holds an annual conference in which organizational members as well as non-members are invited to meet each other and listen to presentations. I helped with planning for the conference by finding a violinist for entertainment in Helsinki and I spoke with restaurant owners to make a reservation for the company. I also wrote two blog articles after interviewing professors of entrepreneurship at the University of Amsterdam Applied Sciences in the Netherlands and Nova University in Portugal. The UIIN publishes these articles and case studies on their website for the public to utilize.



the Tecnico University in Lisbon





the UIIN conference held in Helsinki, Finland

### Taylor Pistone Netherlands



ABBA The Museum in Stockholm, Sweden





The Eiffel Tower in Paris, France

<u>Value Derived from the Experience</u>: This was my first time going abroad, so I had very limited expectations for the experience. The internship and cultural immersion exceeded all of the ideas I had of the world. I gained much more confidence in my ability to live independently and handle ambiguous situations. In addition my perception of the unknown changed from one that is driven by anxiety to one that is driven by excitement for adventure. I created memories in Amsterdam as well as other places in Europe that will last me a lifetime. In addition, I grew professionally through enhancing my communication skills and creating connections abroad. I met individuals from London, Spain, Italy, and many other places that I will continue to stay in touch with. Before I went abroad I never imagined going to graduate school or creating a career in another country, but now I am open to the idea of exploring opportunities in other countries to grow in my field. I am grateful for this opportunity from the lacocca International Internship Program for allowing me to travel to Europe and to step out of my comfort zone. I learned a lot about myself and I plan to apply these skills in not only my professional but also my personal life.



### Susie Poore

Ireland

College of Arts & Sciences English and Political Science



Universal Media Agency Editorial Intern

<u>Company and Position Description</u>: I interned with Universal Media Agency, a digital marketing and publishing company based in Dublin. They publish multiple trade journals that are disseminated across the country. Some examples include travel, local government, business/technology and the Irish police force. I worked in the editorial department with another American intern. Our coworkers were largely focused on sales, finance, and the managerial aspect of publishing. There were also a graphic designers who worked remotely and created the final copies of the magazines that went to print.

My main task was writing for both the online and print versions of each publication. The topics my boss assigned ranged widely—anywhere from food recommendations to new Irish legislation to innovations in public transit. I'd post my articles to the websites daily, to ensure there was a steady stream of content available, and share the links across the company's social media accounts to attract readers. Additionally, I revised existing articles before publication and helped choose the images and graphic art to include in the magazines. I was also given the opportunity to do work outside the office on two occasions. The first was covering the Velo-City 2019 international cycling conference held at the Dublin Convention Centre with my co-intern. The second was interviewing leading members at Tangent, Trinity College's Ideas workspace that helps students who want to launch their own start-ups.



Covering the Velo-City 2019 cycling conference



Covers of previously published editions of the magazines

# Susie Poore

Ireland

## **Universal Media**



The view from the cliffs around the Giant's Causeway



The famous deer in Phoenix Park

<u>Value Derived from the Experience</u>: This internship really pushed me out of my comfort zone as a writer. I didn't have any experience with journalistic writing and usually lean toward the creative side. Writing so concisely was initially a real challenge for me. However, I soon realized it was just another exercise in writing creatively. I found a way to put my own voice into every single article I wrote. Many of the topics were entirely new to me. I started off knowing nothing about Irish local government or the best places to visit along the Wild Atlantic Way (the west coast). With every piece I published, I gained invaluable knowledge about the country I was living in. I'd also never produced so much content in such a short period of time. My work ethic definitely improved since I was consistently managing a large volume of work and multitasking when it came to other projects. By the end of my internship, I had finished multiple articles, the feature story in one of the print magazines and the editorial byline for the travel journal. After working so hard all summer, it was incredibly gratifying to see my writing and name finally in print.

Before this international internship, I'd never left the country and had hardly left New Hampshire. It was humbling to step into another culture and realize I could do nothing but learn. Whether it was as complex as navigating the city and its public transit or as simple as going grocery shopping, I was introduced to a new aspect of Irish life with each passing day. I felt myself letting go of everything in my own life that I'd taken for granted as universal. My capacity for understanding and empathy grew exponentially as a result, and I now have an intercultural competency that would've been impossible to develop in my small New England state. Traveling across the country also reminded me of how big this world is, how little I've seen of it and how much of it we take for granted. There's no adequate way to describe sights like the Cliffs of Moher or the cliffs surrounding the Giants Causeway. I know I'm now more conscious of the impact I have on this earth and what I can do to ensure those natural wonders exist for generations to come. I'm excited to see where my travels take me next.



## Bryan Ramirez-Gil

#### Hong Kong

College of Business & Economics Business Information Systems



Hutchison Ports IT Intern

<u>Company and Position Description</u>: Hutchison Ports is a port holding company that handles the cargo shipping coming into and out of Hong Kong. The company is known to be one of the larger ports in the world when it comes to cargo shipping and is based in 26 countries with 52 ports altogether. During my time at Hutchison Ports, I was able to learn about many facets of the Information Technology department of the company. I began a computational data analysis of an application that helps Hutchison operate their gates and crates within their ports, using the Python language. The data analysis will be used to help make their application more user friendly and efficient for transporting cargo throughout the ports controlled by Hutchison. On another facet, I learned about the regulatory and compliance aspect of enterprise security within Hutchison ports. The Information Technology department handled any insecurities within the company from the Hong Kong port and every port ran by CK Hutchison Holdings Ltd. (parent company).



CSR Presentation with Supervisors and Interns



Meet the IT Department



### Bryan Ramirez-Gil Hong Kong



Value Derived from the Experience: My time at Hong Kong was very eye opening and different in many ways especially because of the timing of the program. I was able to experience a place where there is a common respect for one another and solidarity that is not always apparent as of recent in America. I enjoyed great food that some would suggest is slightly bizarre in the Western world but otherwise delicious. The eastern world provided me with a different perspective of how our world can be so similar yet so different. Hong Kong is one of the only cities where you can see skyscrapers and hike up mountains in the same day which is part of its unique experiences. Living on my own across the world allowed me to see how important it is to be self sufficient and manage financial resources on my own.

Throughout the internship, I was able to get a better perspective of what I can do with my major in Business Information Systems as Hutchison Ports opened me up to learning more about cyber security, cloud computing, and enterprise system designs. While performing my tasks assigned to me, I began to see how important cyber security really is in this day and age for an enterprise with new emerging technologies. Cloud computing's prominence has also shown to build sustainability for a company like Hutchison. Hutchison and Hong Kong made my experience very insightful and profound. It will be an experience I will never forget.



### Victoria Raso

#### Myanmar

College of Arts & Sciences Mathematics



Youth Society for Education Education Intern

<u>Company and Position Description</u>: The Youth Society for Education Fun and Learn Center in Myanmar is a mobile teaching group centered in Yangon, Myanmar. Teachers travel to different areas of the country to teach students about STE(A)M through fun and creative ways. A typical day would start in the office, where I would normally be in charge of creating new lesson plans, prepping for the lesson later in the day, or assisting the boss in writing emails. After that, several teachers would drive to a school and teach various lessons. Some lessons I taught were density and viscosity. A lesson would have an informative portion as well a fun portion for the kids, so students could participate in a science experiment so they could better understand the topic.



Students are engaged in an experiment about Carbon Dioxide.



After teaching a lesson, I helped students build with LEGOs

# Victoria Raso

#### Myanmar







This is in front of a Pagoda where people are able to worship Buddha.

Value Derived from the Experience: This experience was my first time both in a different country as well as in a true professional setting. I developed my communication skills from learning how to communicate with people where English is not their first language or not even a language they speak at all. I had to become more creative in my thinking as I was coming up with new lesson plans for children. I became so much more independent and confident in myself. Being in a country, I had to learn to really tackle my own problems, even if that problem is just getting lost on my way to the bus stop. In a more culturally enriching sense, I am so grateful that I was able to be in such a vastly different country than America. There were some aspects of my time in Myanmar that made me think over things in America that I maybe took for granted or maybe just didn't give a second thought to. The world is such a big place. It's bigger than any one person and any one thing. This seems like a simple idea, and it's something that I thought I was aware of before, but being able to experience something so different from what I'm used to really put things into perspective. The world keeps spinning no matter what, and I'm glad that I was able to be on the other side of it for a while.



## Meghan Reynolds

#### Hong Kong

College of Business & Economics Marketing & Economics



#### CASETIFY Marketing Intern

<u>Company and Position Description</u>: CASETIFY is the fastest growing tech accessory company which reaches 1 in 7 Gen Z/Millennials. While the company is based in Hong Kong, its marketing efforts are focused in the US, UK, and Australia. In my time there I assisted the Growth and Influencer Marketing teams in researching, developing, and executing digital marketing campaigns. This meant pitching and sending products to influencers through Instagram to generate tagged contact and impressions on the company website. I also researched and facilitated paid product integrations on the YouTube platform.



Working on pitches for the day.



The CASETiFY office's iconic graffiti wall.



### Meghan Reynolds Hong Kong







Visiting the Big Buddha on Lantau Island

View of the city from Nan Lian Garden

<u>Value Derived from the Experience</u>: Coming to Hong Kong this summer was the first time I had ever gone abroad or had a professional internship. I entered the program knowing very little about the environment I would be working in, but it turned out to be a life-changing experience. I am so grateful that I was able to work at a company where I could learn about what goes into creating successful marketing campaigns and social media strategy, but also one small enough where I was able to make meaningful contributions to my team. Seeing how hard my coworkers worked and how deeply they care about the company was an inspiring experience. Similarly to the fast-paced culture of Hong Kong, there was constantly a new collaboration or collection being released and a new demographic to research.

While I loved my job, I also loved getting to know the other IES Abroad interns and experiencing the city. Something I really valued about my program was the opportunity to form connections with people I would never have otherwise interacted with. All of the interns came from different backgrounds and worked at different companies, but our shared experience living and working in Hong Kong during such a dynamic time in the city's history connected us. We spent our nights and weekends exploring the local food and markets, the scenic beaches, and some of Hong Kong's iconic attractions like the Big Buddha. The summer made me more culturally aware and independent as well as provided me with invaluable marketing experiences.



## Xavier Rodriguez Silfa

#### Hong Kong

College of Business & Economics Business Information Systems



#### PVH Calvin Klein Merchandise Intern

<u>Company and Position Description</u>: I spent over two months working for one of PVH's most known brands, Calvin Klein, in their Asia headquarters. My daily activities included excel files, locating samples, and creating content that would be used for presentations and meetings. The first month I worked closely with my team to prepare for the Asia Market week. During this week all of the Asia markets/countries come to buy the upcoming season styles. I made catalogs for the Spring 2020 collection, helped select specific outfits to highlight the season themes and assisted in the creation of the order consolidation form. The next month and a half I spent working with the different countries, mainly China, helping them finalize and update any adjustments to their purchase. I would travel to various company buildings to attend fitting meetings. In addition, I would plan meetings with the design and sourcing team to get markets on board with a specific style and quantity. Overall, my time at PVH Calvin Klein gave me the exposure necessary to understand how different parts of a company collaborate to deliver a finished good.



Picture on my last day of work



Trying on some samples for fitting test

### Xavier Rodriguez Silfa Hong Kong



Weekend trip to local garden





Visiting famous Japanese artist exhibit

<u>Value Derived from the Experience</u>: Most of my education has revolved around STEM and business and having the opportunity to work for Calvin Klein over the summer widened my horizons career-wise and personally. Working for the fashion industry allowed me to realize that there are many, hundreds, of career paths out there besides working in wall street or consulting, etc. Before, I thought I would only get a job if I worked in one of the big four or for a consulting company. After working abroad, I realize that there are other sectors that I can add value to and that need my skills. Additionally, my time abroad helped me experience a new culture. At the end of my internship, I now have some idea of the fundamentals and principles that Hong Kong society upholds. However, the most important realization that I had while in Hong Kong was that dedication and passion must be at the root of whatever I decide to do in the future. Traveling to Hong Kong and working abroad exposed me to a whole new culture, that I learned to accept and appreciate, and showed me the importance of following your passion.



## Silvia Rosado

#### France

#### RCEAS Mechanical Engineering



#### Solvay Research Intern

<u>Company and Position Description</u>: Solvay is a chemical research company partnered with the University of Bordeaux and the CNRS (France's National Center for Scientific Research). I worked in Solvay's Laboratory of the Future mostly referred to as LOF. My role during my 8 weeks there was to work closely with a PhD student and his advisor on a project focused on analyzing the heat generation of thin films deposited on glass substrates. This included making the thin films using blade coating and conducting thermal and flux measurements to quantify the heat generated. The first 4 weeks consisted of making these films out of PEDOT:PSS and taking temperature and flux measurements to quantify the heat generated by this material. The next 4 weeks were spent measuring the properties of the thin films made, analyzing and comparing the results and looking into ways to improve them.



Walking in between labs





Taking a coffee break with fellow interns

# Silvia Rosado

#### France





Bordeaux interns at the Miroir d'Eau pool in front of la place de la Bourse in Bordeaux



Gate of Aquitane in Place de la Victoire

Value Derived from the Experience: There were two things I never thought I would like when I got to Lehigh: research and chemistry. Therefore I never thought I would spend the summer doing research for a company whose motto is "asking for more chemistry," let alone that I would love the experience. The first days were a blur of meeting new people I could barely communicate with and reading articles on topics I didn't even know existed and even though the articles were in English, it felt like they were also in French. I am usually a pretty outgoing person and was not concerned coming into a country where I didn't speak the language but once I arrived, not being able to easily communicate with those around me turned out harder than expected. Luckily, I had a great group of people in the company that were welcoming and willing to help even if I didn't speak their language. I slowly but surely became comfortable with being uncomfortable and not understanding 90% of the things around me and giving me the confidence to ask about anything and everything. Overall this experience taught me both technical lab skills and how to be resourceful and adapt to any environment.



### Ruben Rosas

India

College of Business & Economics Business Management



#### Coworkin Social Media Marketing

<u>Company and Position Description</u>: Coworkin is a small startup up based out of New Delhi that focuses on growing the entrepreneurial ecosystem by providing other small startups with collaborative office spaces. While I was in India, I was tasked with creating a social media marketing campaign for the firm. The work that I did consisted of promoting new and current locations on their social media accounts such as Facebook and Instagram, analyzing analytics to increase engagement, and designing brochures to promote our products. In addition to focusing on digital marketing, I worked closely with my fellow interns to conduct market research and competitive analysis. With our team, we studied our competition, calculated the market size, and wrote a report for our CEO. Aside from that, I worked with another intern to do photoshoots in order to create materials for the social media accounts and for future marketing material.



Weekly check-in with the CEO



Working at one of the newest offices that the company opened up during our stay



# Ruben Rosas

India



Enjoying the many aspects of India

<u>Value Derived from the Experience</u>: Having the chance to come and work in India was a life-changing experience. In addition to developing professionally, I learned and grew personally. Students usually talk about developing skills such as adaptability, versatility and a few other clichés from international experiences. Although my experience was very similar in many ways to other students in this program, I learned another very valuable mindset that I'm sure will stick with me for the rest of my life. When I traveled to the opposite side of the world and learned from the best and brightest entrepreneurs, they showed me the value of creating value in a way that has never existed before. They showed me how to focus my energy and make my thoughts tangible, taking the best ideas you have and making sure they positively impact the world. I would call this skill execution.



## Mustaffa Said

#### The Netherlands

#### RCEAS Mechanical Engineering



#### UIIN Global Leader Intern

<u>Company and Position Description</u>: This summer, I had the pleasure of working with the University Industry Innovation Network (UIIN) as a Global Leader Intern in Amsterdam. The UIIN's main goal is to help businesses efficiently collaborate with universities to promote areas such as innovation and entrepreneurship. My role was to conduct case studies on different campuses around Europe, interview people, write blog articles, assist with the company's annual conference, and input ideas wherever I could to help with the company's growth. I enjoyed my time at the UIIN because they valued my work and took my suggestions seriously. I was even able to have articles published on their website. I increased my presentation, writing, and networking skills during my time here and for that, I am very thankful to have had this amazing opportunity.



At the UIIN conference in Helsinki, Finland!





Getting ready for my final presentation!

# Mustaffa Said The Netherlands



Exploring Amsterdam!





Biking in Amsterdam!

<u>Value Derived from the Experience</u>: This was a once in a lifetime experience that I will cherish forever. Amsterdam is a city filled with stunning architecture, beautiful canals, and so many bikes! I travelled everywhere around the city on my bike. It was so convenient, and it was the best way to get around. Bikes have higher priority than cars and you can see it by how the streets are designed. The Dutch did a great job with that! I was able to travel to many countries while I was in Europe as Amsterdam is strategically located close to many places. I met people from all over the world because Amsterdam is a multi-cultural hub. Somehow, I used Arabic way more than Dutch during my time here and ate so many Kebabs because the Kebab shops were all over the place. (I love Kebabs!). The Dutch are very sarcastic but very nice at the same time. I am looking forward to my next trip to Amsterdam to connect with the awesome people I interacted with. This was a 10/10 experience!



### **Princess Scott**

#### India

#### RCEAS Civil Engineering



#### VIVA Group Construction Process Analyst

<u>Company and Position Description</u>: VIVA Group is a large corporation that has multiple sectors committed to bettering the lives of their customers and residents of Vasai-Virar, a region of Northern Mumbai in the state of Maharashtra, India. With a family-oriented and dedicated staff, VIVA is quickly evolving and expanding their horizons with ways to give affordable housing to low income groups and economically weaker sectors. With a multitude of business avenues in land development, construction, education, retail, traveling, and more, VIVA leaves a positive mark on their employees and in the transformation of the growing area.

As an intern for the company, you are given the freedom to choose what sectors within their departments you are interested in. Throughout the summer, you are given a holistic approach as to what goes into the beginning and end of building a residential and commercial complex. Everywhere from land negotiations, architectural designs, land excavation and foundation layout, to marketing, financing, and selling the finished apartments. Work ranges from learning from department heads, attending business meetings, visiting construction sites, reviewing government documents and completing reports.



Office tour of VIVA

UNIVERSITY OFFICE OF



Campus tour of VIVA's colleges in Virar

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### Princess Scott India









Visit to the Taj Mahal in Agra

<u>Value Derived from the Experience</u>: From my flight over to my flight back, I knew that coming to India would be an experience that I would never forget. From the lasting memories and friendly nature of the passenger sitting next to me, to the welcoming atmosphere of my company's employees, families, and friends. I have been welcomed into Indian culture and their professional work environment with open arms. Throughout my time here, I have enjoyed numerous home cooked meals, witnessed several religious ceremonies and traditions, and had the opportunity to understand building rules and regulations within the country.

However, in order to truly appreciate this trip, I had to jump over my own personal hurdles and get out of my comfort zone. Sometimes, dealing with more internal struggles than physical. Through the discomfort and the "pain", the reward at the end was worth it. I found my voice, my passion, and my appreciation for traveling. I am beyond thankful for being an Iacocca International Intern and I look forward to coming back to India in the future to see what VIVA Group will build next.



## Melissa Shaw-Patino

#### Shanghai, China

College of Arts & Sciences Political Science



Mindspan Intern

<u>Company and Position Description</u>: This summer I was an intern at an executive coaching company called Mindspan. Mindspan is a company that provides coaching services all over the world. They are the biggest executive coaching network in the Asian Pacific network. Mindspan provides coaching development programs to help raise the quality of business leadership in China, while also contributing to the increase of world-class business leaders and companies. Their coaching programs are effective tools that help develop leaders and build strong organizations.

One of my chief responsibilities in this position was data mining with the goal of releasing a self-help app in the near future. I was data mining for a new empowerment platform database called Fourth Space that Mindspan is currently in the process of releasing on their commonly used app by Chinese citizens, WeChat. I was researching acclaimed executive coaches, motivational speakers, authors, and professional coaches and identifying their publications that pertain to the new platform. This app will be used for human capital coaching and also will be used to generate positive thinking in China's society and other societies.



My desk in the office





Work lunch! This is Mindspan

### Melissa Shaw-Patino Shanghai, China







*learned how to cook* traditional *Chinese cuisine* 

The Shanghai Tower is the 2<sup>nd</sup> tallest building in the entire world!

<u>Value Derived from the Experience</u>: My experience in Shanghai, China was an intriguing one. It was an experience that left me wanting to go back to Shanghai soon! I left Shanghai as a different person. My time there has influenced my personal and professional being. I have gained a better understanding of my culture and have whole heartedly embraced it, as I am a Chinese descendant. Most importantly, my time in Shanghai has taught me to be open-minded and learn to appreciate the beauty of customs other than my own. The first couple of weeks being in Shanghai was quite difficult due to being in a completely new environment and being surrounded by different people. However, I was able to quickly adapt after realizing that the beginning of anything is difficult because it's a change from what I perceive as "my normal." I learned how to be flexible and have an open-mind. Through this mentality, I was able to be fully exposed and immersed into the Chinese culture.

Moreover, I have gained greater insight on the practices of business and entrepreneurship. At work my boss shared many stories with me on how he started his company and the necessities that will drive success. His stories and the motivation that he shared inspired me to work hard and persevere until I reach my true potential and achieve my dreams and goals. In addition, I was working with several other interns from Hong Kong and England and was able to learn more about their educational and professional lifestyle. My summer in Shanghai, China is an unforgettable one and I will remember the great friends I made.



# Alyssa Spiller

France

#### RCEAS Bioengineering



Universitè de Bordeaux, LOMA Research Intern

Company and Position Description: LOMA is a one of the physics laboratories at the University of Bordeaux. There are many different labs at LOMA such as optics and biophysics. This summer I worked in a biophysics lab. I was a research intern with a research group that looked to correlate the structure and function of triple negative breast cancer (TNBC) cell membrane in regards to a transmembrane protein, CD95. Our lab group focused on the single cell mechanics as opposed to an entire cell population. I was able to perform single cell experiments on cells from three TNBC cell lines using atomic force microscopy (AFM). I was able to measure the response of the cells during constant speed indentation experiments. In addition to AFM, I was able to maintain the cell cultures that I used in my experiments. With help from my advisors, we were able to analyze the data in MATLAB and JPK software to obtain the Young's Modulus of some cells in each cell line. Our results showed that the cell lines with out the CD95 were less stiff than the wild-type cell line. I was able to present my results from the summer to collaborators from other labs at the University of Bordeaux. It was amazing to see how all this research intertwines and progresses. I learned a lot about the world of research. Including how to improve and analyze the results we measured, what to look for in data and that timing is everything.



Working with the AFM





All interns with their lab groups and advisors after final presentations

### Alyssa Spiller France



Laboratoire Ondes et Matière d'Aquitaine



#### Bordeaux sunset from the east bank

*The Promenade Shops at Rue St. Catherine in Bordeaux* 

<u>Value Derived from the Experience</u>: My experience in Bordeaux helped me develop as a professional and a researcher. During my time in Bordeaux, I learned what it's like to be a researcher. I learned about the intricacies of research, how to plan and design experiments, and how to interpret results. I believe the reason my experience at LOMA was so insightful is due to my co-workers. Everyone at LOMA, my lab group especially, was eager to help me with anything and learn new things with me. I also learned patience in the lab setting. As a research intern, I had my own projects and responsibilities in the lab.

This experience in Bordeaux has helped me grow to be more independent, understanding and patient. Before arriving in Bordeaux I was nervous about not knowing any French, but most people spoke a little English. I learned different was to try to communicate with people who didn't speak any English. I learned patience through communicating with others, whether it was ordering food or presenting. Being in Bordeaux for eight weeks was a culturally-enriching experience. The food and architecture in Bordeaux was all so amazing. I loved exploring the farmer's markets on the weekends and buying fresh produce.

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# Emily Tasik

Austria

#### College of Arts & Sciences Biology & Psychology

#### Pathological Anatomical Institute of Vienna Summer Intern

Company and Position Description: The Narrenturm-translated to 'Fool's Tower', was Europe's oldest mental asylum. As a part of the greater hospital of 18th century Vienna, this tower housed many mentally ill 'patients', incorporating then novel medical 'treatments' including bloodletting and emetics. In 1970, the pathological anatomical institute of Vienna moved its collection of preserved human specimens into the tower-including extensive collections of complete fetuses, skeletons, human organs, and moulages, which were molded and crafted to the exact likeness of the diseased patient being modeled. These specimens were used for aid in medical diagnosis at a time where medical diagnostic technology had not reached the advancement it has today. The 50,000 or so human specimens are currently used for a number of things. Around 25% of the collection is on public display for visitors. The remaining 75% are either used for research, are on standby for the development of future exhibitions, or are placed in indefinite storage. As an intern, I spent most of my time assisting in research and aiding in both the artistic and logistic design of upcoming exhibitions. Oftentimes, doctors and medical anthropologists affiliated with the General Hospital and Medical School of Vienna work with the institution to conduct multiple types of research using the specimens. The ones I particularly worked on heavily emphasized diagnostics—as many specimens are over a hundred years old and thus do not have official nor correct diagnoses due to antiquated means of medical practice. Hence, members of our small team worked to accurately rediagnose the prevalent disease by assessing morphological, pathological, and archival data. As new diagnoses are being made and specimens are being circulated, new exhibitions are being curated. Using the incoming data and results, our work flows into the construction of a cohesive, scientifically accurate exhibition for the public.



While shadowing surgeons, I witnessed many different surgeries





Chunks of preserved 100 year old brains!
## Emily Tasik Austria



Scooting around the historic Hofburg Imperial Palace Basking in Vienna's art culture

<u>Value Derived from the Experience</u>: This experience has contributed a great deal to not only my professional but also my personal growth. Professionally, I became aware of just how valuable cooperation and teamwork are to a job well done. Without teamwork, the numerous tasks and projects that needed to be done would not have been done as quickly, as efficiently, or as successfully as they were done. Each member of our team had something different to bring to the table. By combining brainpower, both new ideas and new solutions were constantly being put forth in order to create the best possible result.

My largest growth occurred on a more personal level. Many of us in the United States are conditioned to think that we must do anything it takes to achieve the American Dream and we must do it alone. The rule of our capitalist system is simple—maximize profits and minimize losses...however, only for thyself. The thing that really moved me about Vienna (and many EU countries in general) was the lack of "me before you" mentality. Citizens are offered many more civil rights than are currently offered in the United States, including free universal healthcare, free higher education, and far more extensive labor laws. These privileges come at the expense of each citizen's income, as their taxes are far higher than that of Americans. However, every EU citizen I had inquired seemed as if they really didn't mind. The greater good of the society was foremost and they understood why higher taxes needed to be implemented. These conversations, learning about differences like these and even those more subtle, have impacted me more than I could have foreseen. They have inspired me to pursue seeing more of the world's strange complexities and have given me a newfound respect for the human race as a whole: a (semi-) harmonious conglomeration of the distinct.

## Carolyn Taylor

#### Montenegro

College of Business & Economics Finance and Business Information Systems



#### Erste Bank Intern

<u>Company and Position Description</u>: I spent eight weeks this summer interning in Erste Bank in Montenegro. I rotated through six different departments: operational risk, retail, corporate, mobile banking and payment cards, IT, and compliance. In each department I read through their specific policies and guidelines. I did research on the economy in Montenegro and gave presentations to the departments about the work I completed each week. I assisted some areas of the bank in brainstorming ways to develop and grow their operations and products. I gave feedback on their mobile banking app and put together a report on new credit card products. I also did market analysis on American bank payment card's comparing the fee statements of the basic debit and credit cards of Bank of America, Citibank, and JP Morgan Chase.



Outside my internship office WERKANTONAL AFARTES LICCOL INTERNATIONAL LICCOL INTERNATIONAL LICCOL INTERNATIONAL LICCOL INTERNATIONAL LICCOL INTERNATIONAL LICCOL INTERNATIONAL



With my colleagues in the retail department

## Carolyn Taylor Montenegro





Horseback riding in Kolasin

Biogradska Gora National Park

<u>Value Derived from the Experience</u>: During my summer in Montenegro I was able to explore both the city I was based in, Podgorica, the rest of the country and even the neighboring countries on the weekends. I had never planned my own adventures and excursions before so this presented a whole new challenge for me. I had to learn how to coordinate buses, housing, and tours in order to make the most out of my weekends. One big lesson I am taking away is that not everything goes as planned and it's common to hit bumps in the road, you just need to adjust and keep moving forward. The mindset in Montenegro is that everything will work itself out and so I have taken that on myself and have found they are right. Through my eight weeks, I was able to travel to the mountains of Montenegro, the coast of the Adriatic Sea, to a waterfall in Albania, Kings Landing in Durmitor and Mostar in Bosnia. I never imagined this trip would take me all over the Balkans. This experience has solidified my confidence and desire to continue to travel when I can and to make sure I make the most of my education and all the opportunities afforded to me.



## Cheressa Taylor CapeTown, South Africa

College of Arts & Sciences Sociology



The Rainbow Academy Admin. Assistant & Marketing

Company and Position Description: The Rainbow Academy is a non-profit organization that works with seventeen through twenty-five-year-olds that have an interest in pursuing a career in the Arts Industry. More specifically, the Rainbow Academy offers a one-year bridging program that focuses on teaching students in these areas: Music, Dance, Drama, Business, Production, and Life Skills. The Rainbow Academy does a lot of community and partnership events throughout this one year. In the end, the Rainbow Academy helps students further pursue a degree in music, dance, drama, journalism and/or hospitality/tourism once they graduate from the Academy. I was responsible for dealing with the telephone, email and general inquiries. I updated the whiteboard with important events that were approaching for all staff, attended teacher meetings and created personalized student profiles for thirty-nine students enrolled in the academy. I created and revised ten work templates, learned all the components to a road map and curriculum calendar and was in charge of recording and analyzing student attendance results. Every day I had to check and update the ForGood Account, which is an online organization that works with non-profit organizations and provides these organizations with resources for more funding and general assistance. During any type of performance, I took pictures and videos of the students hard work and talent.



Updating the big whiteboard with upcoming events





Updating and analyzing attendance records.

## Cheressa Taylor CapeTown, South Africa



Dinner with wonderful new friends





A tour of courtroom in Langa, which is a township in South Africa.

Value Derived from the Experience: Before this internship experience, my global competence was weaker than it currently is because I was not challenging myself mentally and physically. However ever since I have been interning at the Rainbow Academy I learned how to adapt to the work environment and comprehend how the Academy functions. I have developed a more reflective side when it comes to dealing with my personal feelings while at work. Even though I worked on a lot of individual tasks, I was still able to have multiple opportunities to practice collectivism and build relationships with many new faces. I did notice that I pushed myself to do new things, such as going hiking and starting conversations with the students at the Rainbow Academy when I had spare time. I have looked at situations from multiple perspectives besides my own, which has allowed me to learn new things and strengthen my critical thinking skills. I have learned how to respect and embrace cultural differences from a broader range. And most importantly, I have learned how to adjust to new social norms while preserving some of my social norms from the United States. So, it is safe to say that in the end, I am leaving Cape Town, South Africa with a better understanding of their cultural and social aspects. From my observations when there are staff meetings, I noticed that in my work environment here hierarchy and power dynamics are respected and of high value. In contrast, back home in the USA, it is not uncommon to see people with high authority in work environments being questioned and/or challenged. Also, at my workplace I can only refer to my supervisor by the name Mam T. Mam T is the principal for the school, so I am not allowed to call her by her first name as a way of expressing respect. But, in the USA at work, it is not that big of a deal if you call someone that has more authority than you by their first name. These specific observations made it more clear to me that the work environment in the USA has more flexibility and informality.



## Dana Teach

#### Montenegro

College of Arts and Sciences English



American Councils for International Education Teaching/ Programming Intern

<u>Company and Position Description</u>: The American Corner in Podgorica, Montenegro bridges the gap between Montenegrin culture and American culture within the country. This space is affiliated with Education USA, a U.S. State Department initiative dedicated to providing educational resources internationally, as well as the U.S. Embassy in Montenegro. The American Corner in Podgorica acts as a community center where one can borrow English books and novels, screen American films, get advice about studying abroad in America, or develop English language skills, amongst other things. While interning at American Corner, I was able to develop programs and workshops for both young children and young adults/adults working towards improving their English language skills. I hosted a read-aloud program called "Reading Hour" twice a week that brought young children together for an interactive approach to learning language, as well as tutored adults hoping to succeed in the Test of English as a Foreign Language (TOEFL). I also hosted a Facebook Live event detailing all the aspects of American university life and was able to attend the English Language Teachers' Association Conference in Montenegro as a representative of American Corner.



Representing American Corner at the ELTAM Days Conference in Niksic



Teaching English through interactive activities during Reading Hour



## Dana Teach Montenegro



Horseback riding on Bjelasica Mountain





Exploring the Old Town of Kotor

Value Derived from the Experience: Interning in Montenegro empowered me to grow both professionally and personally. In the professional realm, I was able to improve my interpersonal skills due to my close collaboration with coworkers, as well as learn how to work as an effective team member. I also gained skills in program development and was able to plan and execute specific events and programs with ease by the end of the summer. Working at American Corner allowed me to connect with government officials, ambassadors, diplomats, teachers, Fulbright Scholars, the Peace Corps, local children and adults, and many other types of individuals from many different backgrounds, providing me with a healthy and diverse network of friends and coworkers. On a personal level, interning in Montenegro taught me how to live independently and improved my confidence. I was fortunate enough to travel to Albania, Croatia, and Bosnia & Herzegovina in addition to my travels within Montenegro, and this allowed me to become immersed in a variety of cultures. From hearing the Maghrib prayer as I was watching the sun set atop Yellow Bastion in Sarajevo to visiting the Moraca Monastery in Kolasin, I gained an appreciation for the various cultures of the world during my internship this summer. Overall, my experience in Montenegro was invaluable and will be a large component of my success in the future.



## Ezra Thomas

#### Israel

## RCEAS Computer Engineering



#### Technion Lab Research Assistant

<u>Company and Position Description</u>: This summer I interned at the Cognitive Robotics Lab in Technion University located in Haifa, Israel. I worked under professor Erez Karpas and was tasked with designing and implementing a ROS based navigation stack to control multiple robots to autonomously navigate an urban street environment. This project had many aspects to it including kinematics, localization and mapping, obstacle avoidance, and path planning algorithms. While working on this system, I also designed, created, and documented a software package to allow for the simultaneous simulation of multiple robots in Gazebo (a simulator used in the lab) and published it on GitHub. This proved to be both helpful for my project and for the graduate students' experiments at the lab.



Standing next to the robots in the lab.



Writing code and running simulations for the robots.



## Ezra Thomas Israel







View of the Dead Sea from Masada.

Value Derived from the Experience: Aside from the numerous technical skills gained during the internship, I learned quite a lot from my other experiences this summer. The most significant of these started once I landed in Israel and immediately lost my literacy. I found this obstacle to be even more difficult to overcome than the oral language barrier, as it hampered even the most basic of tasks such as referring to signs at the bus stop or reading labels while grocery shopping. However, by the time I left, while I was by no means fluent, I had a much better grasp on Modern Hebrew and was able to navigate these tasks with significantly more confidence. Upon returning to the States, I have found that many tasks are much less of a bother than before going abroad, simply because I have become used to struggling with a language barrier, which is now no longer present. I intend to continue pursuing the language and take Hebrew classes this coming year. Additionally, this international experience gave me a greater appreciation for the relative geopolitical security we enjoy in the States, and speaking with many students there (almost all of whom had previously been conscripted) gave me a deeper understanding of Middle Eastern politics and has caused me to seriously consider military service post graduation.



# Alex Torres Chile RCEAS and College of Business & Economics IBE Civil Engineering & Finance

<u>Company and Position Description</u>: I worked as a maintenance and finance intern at LivinnX. LivinnX is Chile's first student housing apartment building of its type and one of the few in South America. The apartment building was built only two years ago and many of the maintenance and finance systems were still being developed. This allowed me a great opportunity to propose new ideas to a very receptive company. For the maintenance division, I helped develop a statistical analysis for their utility usage for more accurate predictions. For the finance division, I surveyed their financial statements and processed work orders





*My supervisor, Rodrigo, at the send-off dinner* 

# Alex Torres



Beautiful views of the Andes Mountains





Sandboarding in the Atacama Desert at 8,000 ft!

<u>Value Derived from the Experience</u>: My experience abroad was truly once in a lifetime. I was able to work and navigate in a city that that is very culturally and professionally different than the one in which I have spent my whole life. Working in Spanish every day and having conversations was also one of the most challenging yet rewarding aspects of the whole experience. Prior to the internship, I had very basic Spanish skills. Now, after being a resident in Santiago for two months, I am able to hold conversations and understand jokes.

Additionally, I believe I have come to accept and understand other people's perspective a great deal more than before. It is humbling to hear people in other cultures speak about struggles and accomplishments than I am unfamiliar with. Leaving my experience, I have a greater perspective of the world and the people in it.



## Erin Tressler

#### Singapore

College of Business & Economics Finance/Marketing



3M Media and Communications

<u>Company and Position Description</u>: 3M is a technology company that manufactures industrial, safety and consumer products. With over 55,000 products, 3M uses innovation to create a variety of products for their many customers. Operating in 70 countries with over 93,000 employees, 3M is one of the largest companies in the world.

As a media and communications intern for 3M, I was able to see how 3M markets their products through media to appeal to consumers. I was assigned projects such as creating videos that highlight specific 3M products, taking professional photographs of several 3M events and writing scripts and storyboards as an outline for videos.



The Lehigh 3M interns on our last day of work





3M Post-It Collaboration Room

## Erin Tressler Singapore



The Istana

Gardens By The Bay

<u>Value Derived from the Experience</u>: This internship helped me develop in many ways, both personally and professionally. I learned how to properly take photos in a professional setting, use Adobe Creative Suite software and develop creative scripts and storyboards for exciting and informative videos about 3M products. I also learned to adjust to a 45 hour work week, making sure to arrive promptly at 8:15 every day. I made the most of my internship experience by seeking out as many projects as possible and being open to learning new skills every day.

Singapore has a multifaceted culture that is extremely diverse, which allowed me to step out of my comfort zone. Although Singapore is more westernized than most Southeast Asian countries, the culture is still very different. I was able to get a true taste of Singaporean cuisine, see all of the stunning architecture and even travel to Thailand. Adapting to an entirely new culture and city was not easy, but forced me to become more independent.



## **Delton Tschida**

#### Hong Kong

RCEAS and College of Business & Economics IBE – Industrial Engineering & Finance



Hutchison Ports IT Intern

<u>Company and Position Description</u>: Hutchison Ports is one of the largest port companies, with 52 ports located all around the world, and its global headquarters is located in Hong Kong. At Hutchison ports, I worked within the Product Development and Innovation team as an IT intern. As an intern, I was primarily responsible for writing code and conducting data analytics. Because I interned at their global headquarters, I had the privilege of working on projects that were being implemented all around the world. My main task was to migrate project financial tracking data from excel and a database into a data analytics software called PowerBI. It is important that the financials of these projects are tracked so that other ports are charged appropriately for the work done. I was also tasked with teaching team members the basics of PowerBI after having researched it extensively. It was an incredible experience to know that my work was implemented all around the world and that I helped improve the process for reporting financial data to both team members and managers.



60 meters in the air on one of the largest cranes





Hutchison Port's Global Headquarters

## Delton Tschida Hong Kong



HUTCHISON PORTS



The "Big Buddha"

A street market in Hong Kong

Value Derived from the Experience: Eight weeks in Hong Kong was long enough to truly immerse in the local culture. I was able to see how people live their day to day life and contrast it to a typical American lifestyle. Being in one of the most densely populated cities with the highest housing prices in the world was an eye opening experience. The effects of these factors could be seen everywhere from the tall high-rises packed with multiple generation families living in tiny apartments, to being tightly squeezed on the public transportation during peak hours. Hong Kong is truly a global city with a lot to offer. As a global company, my office was filled with people who came from many different parts of the world. My boss was from Hong Kong, yet the two employees I worked with the most were from India and South Korea. It was an amazing opportunity to interact and work in an office with such diversity. Despite being one of the most densely populated cities, Hong Kong has plenty to offer in terms of outdoor activities. I spent time exploring hiking trails, going to the beach and even kayaking. I also had enough time to immerse in the local culture by going to temples, street markets and trying local cuisine. Hong Kong is small place with an amazing public transportation system, which made sightseeing and commuting easy. My time in Hong Kong was influenced by millions of Hong Kongers fighting for their freedoms. At times, nearly one in three people took to the streets in protest. It was certainly inspiring to see millions of people come together in pursuit of a common goal. I gained so much by working in Hong Kong over the summer and will forever be grateful for the opportunity.



## Hadley Webster

London, United Kingdom

College of Arts & Sciences International Relations and Economics



#### Zen Educate Content Marketing

<u>Company and Position Description</u>: Zen Educate is an ethical alternative to educational recruitment agencies for supply (the British word for 'substitute') teachers and TAs throughout London and the Greater Manchester area. Their easy-to-use online platform allows teachers and TAs to find work and accept/cancel bookings by simply going to their app. Think substitute teachers finding jobs in schools just like someone books a hotel online. The company is a tech start-up at heart but is also a crucial part of the education sector. Their mission is to continue to help teachers and schools save money by cutting out the "middleman," or traditional recruitment agencies that charge expensive fees. As part of the Marketing team, I worked directly with their blog brainstorming and producing content, while also completing a variety of other projects related to marketing. These included press releases for teachers and schools, promotional videos about some of their highly-rated services, blog posts and eBooks with helpful information for customers. I also added a customer "success stories" page to the website and implemented an email drip campaign to reach out to potential new schools.



This is a picture of Zen's logo in their new office. As a start-up, they are constantly experiencing growth. It was really neat to see them meet a major milestone—moving into a bigger office.



## Hadley Webster London, United Kingdom



ZenEducate



I had the chance to go to the London Eye; it is an amazing view!

We did a "punting" tour guide in Cambridge, which is their official sport!

Value Derived from the Experience: My experience in London was truly one of the most impactful and incredible experiences that I have had thus far. I arrived to London hesitant about what would lie ahead. I didn't know the people in my group or the people with whom I was living. I was doing primarily content marketing at my job, and I had never had any prior experience. What's more, I was in charge of creating, leading, and designing my own projects. Initially, I was apprehensive and timid in my approach to the job. I was scared to share my own ideas out of fear of them being deemed bad, or even worse, unoriginal. However, after I started to become more comfortable in my surroundings, I really developed the confidence to be creative with my work and be fearless with my ideas. It can be really daunting to submit an original idea, especially if you are the only intern. Not all my ideas were accepted and some that were ended up not working. Nonetheless, I became more confident and I know that confidence will aid me in my future endeavors. Living in London was an equally amazing experience. I learned to live confidently and independently, whether that be through navigating public transportation alone or figuring out directions when I got lost. Although the culture isn't extremely different from the United States, there are still subtle nuances. I faced personal obstacles along the way, mentally and physically, but I learned how to navigate a solution with the resources and people around me. Above all, I realized the importance of being a selfadvocate.

# Bai Hao Yu

New Delhi, India

College of Business & Economics Finance & Business Information Systems



## Coworkin.Co Finance/Marketing Intern

**Company and Position Description**: Coworkin.Co is a startup company based in New Delhi, India that aims to provide affordable coworking space in prime locations and city centers. Also, the firm is actively involved in developing the entrepreneurial ecosystem to help other startups sustain and thrive. For the first month, I was in the finance department performing financial analytics. I was responsible for analyzing the past 5 years of financial data, building a model to forecast the next 2 years of financial data and compiling the information into a report for the founder, Yatin Thakur. In addition, I took the initiative to create a template in excel to standardize the way the firm records their financial data across the different office locations. For the second month, I was working with their marketing department creating marketing material for the new coworking space as part of the firm's quadruple expansion plan. My photographs will be used to showcase the new office space across social media platforms and advertising brochures distributed to potential clients.



New co-working office space



In the office during a blackout at noon

## Bai Hao Yu New Delhi, India



Can't go to India without going to the Taj Mahal!



The Lotus Temple was truly breathtaking

<u>Value Derived from the Experience</u>: Professionally, I discovered the importance of adaptability. Whether that's adapting to a different workplace culture or adapting to an unfamiliar position. At the beginning of the internship at Coworkin.Co, I thought I was going to remain in one position throughout my time at the company. It "made sense" for a finance major to stay in the finance department performing financial analytics. Halfway through the internship, the firm discovered I did photography as a hobby and asked if I was interested to do photography for the marketing department. That opportunity was unexpected, but I had to adjust my mindset and adapt to the change. I decided to take on responsible risk and accepted a less familiar role in the company that had the potential to create more value.

Personally, I learned to be more confident with myself. When the firm asked me to do photography for the marketing department, I was hesitant to accept the request. I was worried that my skill wasn't professional enough to match the company's expectations. But after I received encouragement from my group members, I decided to take a chance and see where the road will lead me. In the end, the founder was satisfied with the outcome of the office space photoshoot. After that experience, I learned to be more confident in myself and become more welcoming to new and unfamiliar ideas. Influenced by this experience in India and the startup culture, I am attempting to start my own photography business at Lehigh University. Will the business take off or crash and burn like most startups? Well, I guess only time will tell. Like Steve Jobs once said, "Your time is limited, so don't waste it living someone else's life".



## Kristen Yusiewicz

#### Thailand

## RCEAS Electrical Engineering

KMUTNB Electrical Engineering Intern

<u>Company and Position Description</u>: My internship was at King Mongkut's University of Technology North Bangkok in the Electrical Engineering Department. My internship was specifically on implementing a magnetic levitation control system using an FPAA device. In Electrical Engineering, there are two types of circuits- analog and discrete. The main downfall to analog circuits is that they tend to be larger, more expensive and not reconfigurable. However, the Field Programmable Analog Array (FPAA) device allows an analog circuit to behave more like a discrete one. It is reconfigurable such that in a computer program the engineer can design the appropriate circuit, simulate it, and then download the circuit design onto the hardware device. If any modifications are needed, the engineer can revise the circuit design and re-download it. The professor I worked under was attempting to verify that his magnetic levitation design worked but struggled to have his simulation line up correctly. He tasked me with synthesizing the design with one on MATLAB/Simulink, the industry standard, and then implementing it onto the hardware and obtaining the same results as the simulation. This was a big step because it proved that the FPAA device could replace bulkier, more expensive analog control systems and could be connected directly to the plant.



*Implementing the control system onto the hardware.* 



Final Presentation starting off with a wai- the traditional Thai greeting.



## Kristen Yusiewicz Thailand









Visiting Wat Arun with Lehigh Alum and his wife Visiting Elephant Nature Park in Chiang Mai

<u>Value Derived from the Experience</u>: This experience allowed me to grow personally. While I have always had navigation skills and was confident in traveling by myself, my internship experience often pushed me to be more independent. I was the only Lehigh student in Thailand, and the first international intern to arrive at KMUTNB by two weeks. Getting around Bangkok completely by myself was intimidating at first, but the Lehigh community in Thailand greeted me with open arms. Carol Strange connected me with alumni living in Bangkok via email. Many reached out with suggestions and two alumni even took me out on excursions! Through the alumni and others I met, I found the Thai culture very welcoming and hospitable. Even though most Thais do not speak English, and I do not speak Thai, I found help and directions whenever I needed it. People were often willing to spend several minutes working through the language barrier to direct me. I found this kindness very comforting since I often needed to travel alone. This experience pushed the boundaries of my comfort zone and allowed me to thoroughly immerse myself in another culture.



#### 2019 Iacocca International Internship Program Student Demographics

80 students lived and worked in 32 countries.



Medium = High = None

High 90%

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