



APC Fellowship Spring 2019





HIRAM HIGAREDA

Hiram Higareda is a graduate from Cal State University, Northridge with a Bachelor's of Science in Electrical Engineering. During the Technical Bootcamp he helped create an electrical temperature gauge with an Arduino Kit using CAD and CNC. He was then accepted into an internship with [Perch Mobility](#) where he helped with the initial design of a hybrid grid charger that would charge multiple electric scooters in the Perch Mobility Pods.



ANTHONY HERNANDEZ

Anthony Hernandez is an electrical engineering student at Los Angeles City College. During his internship at [Saya Life](#), he gained electronics experience creating LoRa modules for their gateways and meters which allows wireless communication between gateways, meters and sensors.



NICK BUCSA

Nick Bucsa is a Computer Engineering student at California State University, Northridge. During the APC Fellowship Program, Nick interned at [Seatrec](#) where he assisted with testing parts to their patented thermal engine technologies. Nick was able to utilize his proficiency in Java, C++, Assembly; and CAD and CNC skills.



AMANDA SIMEON

Amanda Simeon is a Cognitive Science student at Pasadena City College. As an intern with [HIVE Lighting](#) she helped with the assembly and production of their Bumble Bee 25-C Light. Her goal is to combine her knowledge of cognitive behavior with clean technology and artificial intelligence.



EMMANUELLE DAVIS

Emmanuelle Davis graduated Cum Laude from The Los Angeles Film School with a Bachelor's of Science Degree in Entertainment Business. As an intern for [HIVE Lighting](#), Emmanuelle helped assemble their Bumble Bee 25-C Light and assisted with order fulfillment and logistics. Emmanuelle plans to use his skills to further his career in the entertainment industry.



KELVIN GARVANNE

Kelvin Garvanne is a Global Trade & Logistics student at Santa Monica College. With a passion for the public policy component of cleantech and the green economy, Kelvin was selected to be an intern for the [Los Angeles Department of Public Works](#) where he is currently working on Organics and Food Policy Issues. Kelvin plans to use his skills to cultivate a life focused on global affairs and international trade.



RANCE SMITH

Rance Smith graduated from the University of Illinois with a B.A. in Sociology. During the APC Fellowship Program he worked with [Saya Life](#) as their Marketing and Design Intern where he helped create video user guides and supported the CEO with the company's pitch presentation. He's hoping to expand his experience with content development, technical writing and to provide future businesses with support in transmedia storytelling.



ARISTOTLE WASHINGTON

As a participant in the Technical Bootcamp, Aristotle learned to use CAM and CNC to create a digital alarm clock using an Arduino kit. During his internship with [Saya Life](#), he helped with the initial testing of the company's water meters and gateways. He also helped create video content for Saya's online platform.



MARVIN GARCIA

Marvin Garcia is Mechanical Engineering student at Pasadena City College. Prior to the APC Fellowship Program his experience included AutoCAD and SolidWorks where he helped design and analyze parts used for machining as a Technician Assistant. During his internship with [HIVE Lighting](#) he helped with design and technical drawings for their instruction manuals.



WILLIAM GONZAGA

William Gonzaga graduated from Cal State University, Los Angeles with a B.S. in Mechanical Engineering and a minor in Mathematics. During his internship with [Rain Systems](#) he designed and manufactured an injector nozzle using the CNC Haas machine. His goal is to begin his career in the engineering industry to help pioneer a future independent of fossil fuels and solely dependent on renewable energy.



GUILLERMO VILLANUEVA

Guillermo Villanueva is a recent graduate from California State University Los Angeles with a B.S. in Mechanical Engineering. During his internship with [Rain Systems](#) he used CAD in SolidWorks, CAM in Fusion 360, machined with the TRAK Lathe, and operated both the Manual Mill and Haas machine. He also helped create parts for an injection nozzle for the Rain Systems rig. He hopes to provide a greener engineering process for manufacturing.



THAI NGUYEN

Thai Nguyen is an undergraduate Civil Engineering student at California State University, Northridge. Thai also earned Associate Degrees in Pre-Engineering, Mathematics, General STEM studies and Social & Behavioral Sciences from Los Angeles Pierce College. As an intern for [Saya Life](#), Thai began the development of a hybrid adapter for their water management system.



IRVIN JUAREZ

Irvin Juarez is a graduate with a Master's Degree in GeoScience and Natural Resources Management. During his internship with [Rain Systems](#), he learned to use Fusion 360 and SolidWorks to design manufacturing parts for their Precision Injection Machine. He is looking to work in a multidisciplinary area to develop clean technology and to find solutions for the care of the planet.



ALYSIA GUERRERO

Alysia Guerrero is a graduate from Cal State University, Long Beach with a Bachelor's of Arts in Industrial and Product Design. Her background in graphic design and expertise with CAD made her a perfect fit as an intern for [HIVE Lighting](#) as their Design and Engineering Intern where she helped with 3D printing parts for their Bumble Bee 25-C Light and assembling it for production.



ANNA HU

Anna Hu is a graduate from UCLA with a Bachelor's of Arts in Astronomy and Astrophysics. During her internship with [Perch Mobility](#), she acted as a POC to receive manufacturing pieces for a hybrid grid charger that would be built and placed in the Perch Mobility Pods. She also helped design and 3D print an LED Indicating Connector for the hybrid chargers.