

Objective	To gain more real world experience in the fields of Computer Engineering/Science.	
Education	Bachelor's of Science in Computer Engineering University of Hawaii at Manoa, May 2018 Projected Graduation	GPA: 3.87
Work Experience	Summer Games Cyber Intern , Booz Allen Hamilton <ul style="list-style-type: none">• Researched a prototype proof-of-concept based on blockchain technology to define trust relationships through secured vehicle-to-vehicle communications.• Developed autonomous robotic cars using LIDAR and the Zigbee wireless protocol capable of informing network traffic for collective decision-making.• Simulated successful high-trust communications protocol and autonomous resilience against the injection of malicious inputs by rouge actors.	May 2017 - Aug 2017
	Software Engineer Intern , Spectrum Photonics Inc. <ul style="list-style-type: none">• Built data-logger web-server from scratch using the Django web framework to log data via UART on a Raspberry Pi into .csv files using Python scripts.• Improved data collection efficiency and enabled instant data conversion.• Designed and customized web interface using HTML5/CSS to create, edit, remove, or view logging data.	May 2016 - Aug 2016
Project Experience	Micromouse , Firmware Team <ul style="list-style-type: none">• Design and build an autonomous self-contained robotic vehicle capable of navigating through a previously unknown maze with the shortest time and path.• Implement adaptive intelligence through positional/velocity controllers and a modified Flood Fill algorithm to reliably find the optimal route to the center of a maze.	Aug 2017 - Present
	REIS Sensing and Monitoring , Software Team <ul style="list-style-type: none">• Design and implement firmware for highly distributed weather sensor network to analyze solar irradiance, pressure, humidity, and temperature patterns.• Maintain/update data collection and storage infrastructure.	Aug 2016 - Present
	Android App , Software Team <ul style="list-style-type: none">• Built application using OCR technology to convert scanned text captured by a camera into a digital format.	Aug 2016 - Dec 2016
	Smart Campus Energy Lab , Weatherbox Team <ul style="list-style-type: none">• Designed and programmed a low-cost, accurate, and reliable prototype weatherbox using environmental sensor modules to forecast weather patterns.	Spring 2016
	Liquid-Metal Electronics , Software Lead <ul style="list-style-type: none">• Implemented continuous electrowetting automation and precise positional control for reconfigurable electronic devices using Galinstan.• Eliminated manual actuation requirement and improved RF device prototyping.	Spring 2016
Computer Skills	Languages: C, C++, Python, Java, HTML, CSS, JavaScript Toolsets/Frameworks: Vim, gcc, g++, Git, Cygwin, IntelliJ, Django, Meteor, Semantic UI, Jekyll	
Leadership Experience	Webmaster , IEEE-Eta Kappa Nu Honor Society, UH Manoa Member , Golden Key International Honor Society, UH Manoa Treasurer , IEEE Student Branch, UH Manoa	Aug 2016 - Present Oct 2015 - Present Aug 2015 - Present
Volunteer	Swim Coordinator , American Red Cross Summer Buddies <ul style="list-style-type: none">• Taught kids (ages 3-11) how to swim, educated about ocean safety, First Aid/CPR Certification, and various community service projects.	Jun 2008 - Aug 2014