

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 May 2017 - Aug 2017	
	<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.	
	Engineering Intern , Spectrum Photonics Inc. May 2016 - Aug 2016	
	<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.	
Project Experience	REIS Sensing and Monitoring , Software Team Aug 2016 - Present	
	<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.	
	Android App , Software Team Aug 2016 - Dec 2016	
	<ul style="list-style-type: none">• Built application using OCR technology to convert scanned text captured by a digital camera into a digital format.	
	Smart Campus Energy Lab , Weatherbox Team Spring 2016	
	<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.	
	Liquid-Metal Electronics , Software Lead Spring 2016	
	<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.	
Computer Skills	Languages: C, C++, Java, Python, HTML, CSS, JavaScript Toolsets/Frameworks: Vim, gcc, g++, Git, Cygwin, Django, Meteor, Semantic UI, Jekyll	
Leadership Experience	Webmaster , IEEE-Eta Kappa Nu Honor Society, UH Manoa Aug 2016 - Present	
	Member , Golden Key International Honor Society, UH Manoa Oct 2015 - Present	
	Treasurer , IEEE Student Branch, UH Manoa Aug 2015 - Present	
Volunteer	Swim Coordinator , American Red Cross Summer Buddies Jun 2008 - Aug 2014	
	<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.	