

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