Stephanie Yip

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EDUCATION

Seattle University Sept. 2013 - June 2017

B.S. in Electrical Engineering, Computer Engineering Specialization (3.6 GPA) *Seattle, WA*

- **Honors:** Graduated *cum laude*. Selected to be a member of the engineering honor societies, Tau Beta Pi (top fifth of class among all engineering majors) and IEEE HKN (top third of class in electrical and computer engineering).

SKILLS

- **Languages:** C++, C, Python, JavaScript, HTML, CSS / SASS
- **Tools/ Software:** Visual Studio, Visual Studio Code, Git, Adobe Photoshop, Agile/ Scrum Development, MS Office
- **Hardware/ Lab Experience:** Soldering, Reading Schematics, Prototyping Circuits, Multimeter, Osclliscope, Arduino, Raspberry Pi

WORK EXPERIENCE

Oceanit June 2019 - Present

Software/ Electrical Engineer *Honolulu, HI*

- Working on a computer vision program written using C++ and Qt
- Writing embedded software for signal processing in vehicle battery monitoring and dive helmet communication

Jun Innovations Inc. Feb. 2019 - Present

Research Technician *Honolulu, HI*

- Worked at a start-up that uses supercooling technology and electronmagnetic fields to preserve food
- Improved Arduino (C++) code used in experiments by independently refactoring and consolidating the existing code and creating an user interface to allow users to set experimental variables and settings

Boeing Aug. 2017 - Aug. 2018

Software Engineer *St. Louis, MO*

- Performed regression and unit testing for C++ and C software used on Windows, Linux, and VxWorks platforms

Crane Aerospace and Electronics June - Sept. 2016

Software Engineer Intern *Lynnwood, WA*

- Initiated development on the next generation of a proximity sensor using a new ARM microcontroller
- Configured the micocontroller for signal processing by writing embedded software in C

PROJECTS

Smart Light System | github.com/stephaniekyyip/smartLight Feb. - Mar. 2017

Final Project for Internet of Things Class

- Worked in a team of three to remotely control a LED bulb using a Raspberry Pi
- Wrote Python code to change the LED brightness depending on the ambient light in the room as measured by a photoresistor
- Programmed in PHP for an Apache server on the Raspberry Pi in order to use a webpage interface to control the LED
- Selected as a team to present the project in front of VIP industry professionals for a Seattle University fundraising reception

Electronic Rain Gauge | github.com/stephaniekyyip/rainGauge Sept. 2016 - June 2017

Senior Design Project Sponsored by Glacier Peak Institute

- Collaborated with environmental science students to design a middle school rain gauge curriculum
- Interfaced electronic components with an ESP8266 microcontroller and wrote Arduino code to control the components for the rain gauge
- Led team meetings and facilitated communication between the project sponsor and faculty advisors

LEADERSHIP EXPERIENCE

Society of Women Engineers (SWE) Sept. 2016 - June 2017

Regional Collegiate Communications Editor (RCCE)

- Wrote content for the Region J SWE blog about news and tips for increasing student involvement

Society of Women Engineers (SWE) Sept. 2015 - June 2017

Treasurer & Public Relations Officer

- Mentored new officers by helping them adjust to their new roles
- Organized an engineering resume review event with 12 professionals and over 40 students attending