STEPHANIE YIP

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EDUCATION

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

Sept. 2013 - June 2017
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/ Libraries/ Frameworks:**
  C++, C, HTML, CSS / Sass, JavaScript, jQuery, PHP, Python, SQL, Node
- **Tools/ Software:**
  Git, Gulp, MySQL, Agile/ Scrum Development, Adobe Photoshop

WORK EXPERIENCE

Boeing
Software Engineer

Aug. 2017 - Present
St. Louis, MO

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

Crane Aerospace and Electronics
Software Engineer Intern

June - Sept. 2016
Lynnwood, WA

- Contributed to the development of a proximity sensor using a new ARM micro-controller that no one else at the company had used before
- Modified embedded software written in C to configure the micro-controller for signal processing
- Tested and verified signal processing results using MATLAB and an oscilloscope

PROJECTS

Book Tracker Web App | github.com/stephaniekyyip/bookTracker
Side Project

May - June 2018

- Created a web app using Apache, PHP, MySQL, and jQuery/ JavaScript to keep track of all the books the user has read
- Implemented a data analytics page using JavaScript libraries to display visualizations of the user's reading habits
- Added additional features to search and sort through entries, and to upload a CSV file to add multiple entries at once

Smart Light System | github.com/stephaniekyyip/smartLight
Final Project for Internet of Things Class

Feb. - Mar. 2017

- Worked in a team to remotely control a LED bulb using a Raspberry Pi
- Wrote Python code for the Raspberry Pi to change the LED brightness depending on the ambient light in the room as measured by a photo-resistor
- 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 as part of a fundraising reception for Seattle University

Electronic Rain Gauge | github.com/stephaniekyyip/electronicRainGauge
Senior Design Project Sponsored by Glacier Peak Institute

Sept. 2016 - June 2017

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

STUDENT INVOLVEMENT

Society of Women Engineers (SWE)
Regional Collegiate Communications Editor (RCCE)

Sept. 2016 - June 2017

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

Society of Women Engineers (SWE)
Treasurer & Public Relations Officer

Sept. 2015 - June 2017

- Helped fundraise over $200 through bake sales
- Organized an engineering resume review event with 12 professionals and over 40 students attending