

STEPHANIE YIP

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EDUCATION

Seattle University

2013 - 2017

B.S. in Electrical Engineering, Computer Engineering Specialization, GPA: 3.6

Seattle, WA

- **Honors:** Graduated *cum laude*. Member of the engineering honor societies, Tau Beta Pi (top fifth of engineering class) and IEEE HKN (top third of electrical and computer engineering class).
- **Coursework:** Data Structures, Design and Analysis of Algorithms, Computer Systems, Internet of Things, Machine Learning, Embedded Systems, Microprocessor Design, Signals and Systems, Semiconductor Circuits

SKILLS

- **Languages/ Libraries/ Frameworks:** C++, C, HTML, CSS/ SCSS, JavaScript, jQuery, PHP, Python
- **Software / Tools:** Visual Studio, Git, Gulp, MySQL, Adobe Photoshop
- **Hardware/ Lab Experience:** Raspberry Pi, Arduino, Reading Schematics, Prototyping Circuits, Oscilloscopes, Digital Multi-meters, Soldering

WORK EXPERIENCE

Boeing

Aug. 2017 - Present

Software Engineer

St. Louis, MO

- Performed regression and unit testing for Windows, Linux, and VxWorks platforms using Agile/ Scrum

Crane Aerospace and Electronics

June 2016 - Sept. 2016

Software Engineer Intern

Lynnwood, WA

- Contributed to the development of a proximity sensor using a new ARM micro-controller
- Modified embedded software in C for signal processing on the micro-controller and verified results using MATLAB and an oscilloscope

PROJECTS

Book Tracker App

May 2018 - June 2018

- Created a web app using Apache, PHP, MySQL, and jQuery to keep track of all the books the user has read
- Implemented a data analytics page to display visualizations of the user's reading habits using JavaScript libraries (C3.js/ D3.js)
- Added additional features to search, sort, and upload a CSV file to add multiple entries at once

Smart Light System (Internet of Things Final Project)

Feb. 2017 - Mar. 2017

- Worked in a team to remotely control an 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 photo-resistor
- Used PHP with an Apache server to remotely connect to the Raspberry Pi in order to control the LED bulb

Electronic Rain Gauge (Senior Design Project)

Sept. 2016 - June 2017

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

STUDENT INVOLVEMENT

Society of Women Engineers (SWE)

Seattle University

Regional Collegiate Communications Officer (RCCE)

Sept. 2016 - June 2017

- Wrote content for the regional SWE blog about news and tips for increasing SWE involvement
- Received a travel stipend to the SWE national conference as a part of the Collegiate Leadership Institute

Treasurer & Public Relations Officer

Sept. 2015 - June 2017

- Organized resume review event with over 10 engineering professionals and 40 students attending
- Helped fundraise over \$200 through bake sales