

# 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, HTML, CSS / SASS, JavaScript, Python
- **Tools/ Software:** Visual Studio, Git, Agile/ Scrum Development, Adobe Photoshop
- **Hardware/ Lab Experience:** Soldering, Reading Schematics, Prototyping Circuits, Multimeter, Oscilloscope, Arduino, Raspberry Pi

## WORK EXPERIENCE

**Boeing** Aug. 2017 - Aug. 2018  
Software Engineer St. Louis, MO

- Performed regression and unit tests 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
- Modified embedded software written in C to configure the microcontroller for signal processing
- Tested and verified signal processing results using MATLAB and an oscilloscope

## PROJECTS

**Dev.to (community website for software developers)** | [github.com/stephaniekyip/dev.to](https://github.com/stephaniekyip/dev.to) Oct. 2018 - Present  
Open Source Contribution

- Worked on adding documentation for a site feature that allows users to cross-publish blog posts through their RSS feed
- Studied backend code written in Ruby on Rails and a RSS feed parser (Feedjira) written in Ruby

**Book Tracker Web App** | [github.com/stephaniekyip/bookTracker](https://github.com/stephaniekyip/bookTracker) May - June 2018  
Personal Project

- Created a web app using Apache, PHP, MySQL, and jQuery to keep track of all the books the user has read
- Implemented data visualizations of the user's reading habits using JavaScript libraries (D3/ C3)
- Added additional features, such as searching and sorting through entries and uploading a CSV file to add multiple entries at a time

**Smart Light System** | [github.com/stephaniekyip/smartLight](https://github.com/stephaniekyip/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/stephaniekyip/rainGauge](https://github.com/stephaniekyip/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

- Organized an engineering resume review event with 12 professionals and over 40 students attending