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).
- **Coursework:**

  Data Structures, Design and Analysis of Algorithms, Computer Systems, Discrete Math, Embedded Systems, Microprocessor Design, Internet of Things, Machine Learning

SKILLS

- **Languages/ Libraries/ Frameworks:**

  Advanced: C++, C | *Intermediate:* HTML, CSS / Sass, JavaScript, jQuery | *Beginner:* Python, PHP, SQL, Node
- **Tools/ Software:**

  Visual Studio, Git, Gulp, MySQL, Adobe Photoshop, Agile/ Scrum Development

WORK EXPERIENCE

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

- Performed regression and unit testing for Windows, Linux, and VxWorks platforms

Crane Aerospace and Electronics   June - Sept. 2016
Software Engineer Intern   *Lynnwood, WA*

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

PROJECTS

Book Tracker Web App | *github.com/stephaniekyyip/bookTracker*   May - June 2018
Side Project

- 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 to display visualizations of the user's reading habits using JavaScript libraries
- 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*   Feb. - Mar. 2017
Final Project for Internet of Things Class

- 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 control the LED through a webpage
- 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*   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 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)   Sept. 2016 - June 2017
Regional Collegiate Communications Editor (RCCE)

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

Society of Women Engineers (SWE)   Sept. 2015 - June 2017
Treasurer & Public Relations Officer

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