**Emmett Lam**

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**EDUCATION**

**University of Washington** Seattle, WA **Sep 2011 – Dec 2015**

***B.S. Electrical Engineering: Embedded Software Systems***

**HIGHLIGHTS**

* Excellent interpersonal and communication skills
* Organized, detail-oriented, reliable, hard-working
* Ability to quickly adapt to new technologies and work environments
* Team player, able to work on diverse teams both on and off-site
* Demonstrates time-management and proven track-record of meeting customer deadlines

**SKILLS**

**Languages**

* HTML, CSS, Less, JavaScript, jQuery, AngularJS, JSON, PHP, SQL, Java, Python, Visual Basic, C, C++, C#

**Tools**

* Git, Node.js, NPM, Grunt, Bower, Bash, Vim, Linux, Windows
* IBM Rational Unified Process (RUP): DOORS, Change, Synergy

**General**

* Performance and scalability optimization
* User experience and interactive tool design
* Version control and peer review process
* Agile/Scrum methodology
* Dynamic, responsive web design
* Ajax/JSON API integration

**EXPERIENCE**

**Crane Aerospace & Electronics *Embedded Software Engineer* Feb 2016 – Present**

* Creating the circuit card assembly for the tire pressure indication system on the Airbus A330 Neo
* Designed software requirements to be agreed upon by customer (IBM Rational DOORS)
* Developed safety-critical (DO-178B Level A/B) production software (C, assembly)
* Verified software compliance via test scripts (C++) run against a target hardware simulator
* Performed internal design reviews between each development phase

**Crane Aerospace & Electronics *Systems Engineering Intern* Jun 2015 – Sep 2015**

* Performed verification tests of the door sensing system to be deployed on the COMAC C919 commercial aircraft
* Documented overall system requirements and designed test procedures to verify these were met
* Worked on Visual Basic tools which communicated with LabVIEW tools on development units to examine input and output signals
* Produced tool documentation to qualify the VBA tools according to FAA industry standards. Documented tool requirements and test procedures performed

**Faithlife / Logos Bible Software *Web Development Intern* Jun 2014 – Sep 2014**

* Developed five interactive web-applications for integration with the Logos 6 platform
* Participated in Agile Software Development, including sprints, scrums, daily standups, etc
* Mentorship program and performed weekly code review and demonstrations
* JavaScript, CSS/Less, jQuery, D3, Handlebars.js, Grunt, Bower, Node.js

**King’s High School** Shoreline, WA ***FIRST Robotics Mentor* Sep 2011 – Present**

* Volunteer software mentor teaching introductory C programming to high school students
* Assist in requirement analysis, brainstorming, design, and competition phases of the season