

Emmett Lam

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EDUCATION

University of Washington Seattle, WA
B.S. Electrical Engineering: Embedded Software Systems

Sept 2011 – Dec 2015

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, 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

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| Crane Aerospace & Electronics | <i>Embedded Software Engineer</i> | Feb 2016 – Present |
| <ul style="list-style-type: none">• Junior engineer working on the tire pressure indication system for 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 | <i>Systems Engineering Intern</i> | Jun 2015 – Sep 2015 |
| <ul style="list-style-type: none">• 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 | <i>Web Development Intern</i> | Jun 2014 – Sep 2014 |
| <ul style="list-style-type: none">• 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 | <i>FIRST Robotics Mentor</i> | Sep 2011 – Present |
| <ul style="list-style-type: none">• Volunteer software mentor teaching introductory C programming to high school students• Assist in requirement analysis, brainstorming, design, and competition phases of the season | | |