Emmett Lam

16233 14th Ave NE · Shoreline WA 98155 · 425-286-7699 · lam.emmett@gmail.com
lamemmett.github.io · **Linkedin**.com/in/emmettlam

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, 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