

Skills

- **Programming Languages**
 - Python, Java, Javascript, C/C++, SystemVerilog, HTML, Bash, PHP, CSS, Lua, Ruby, Objective C
- **Other Technologies**
 - UNIX, Git, Android, Flask, RTOS, Altera Quartus, FPGA, ModelSim, REST API, Maven, Jenkins, AWS, AngularJS, JQuery, Pyramid, MongoDB, PostgreSQL, Redis, Apache Storm, LaTeX

Education

- **University of Washington** *Expected Graduation: June 2016*
 - Major: Electrical Engineering, concentration in embedded systems
 - Minor: Math
 - Relevant Coursework: Data Structures and Algorithms, Computer-Communication Networks, Computer Design and Organization, Microcomputer Systems, Network Security and Cryptography

Work Experience

- **Medium One** *July 2014 - Present*
 - IOT, data analytics start up
 - Worked full-time for 2 summers, part-time remotely during school year
 - Built Pyramid web platform, web back-end; MongoDB, PostgreSQL databases; REST API; pub/sub MQTT model; Apache Storm topology
 - Android applications, embedded IOT demos

Extracurricular

- **Fundamentals of Networking Laboratory** *September 2015 - Present*
 - MAC layer design for underwater acoustic networking
 - Programmed and tested underwater acoustic modems in the field
- **UW Formula Motorsports** *September 2013 - July 2014*
 - Teams design and build a formula-style racing car from scratch, and then compete against similar race cars from all over the world.
 - Designed and built low voltage wiring harness for both combustion and electric cars, programmed engine control unit
- **UW Capture the Flag** *September 2013 - Present*
 - Computer security challenges and competitions
 - Web exploitation, reverse engineering, forensics, cryptography, etc.
- **FIRST Robotics Competition** *August 2009 - June 2013*
 - Teams are challenged to build and program robots in six weeks to perform prescribed tasks against a field of competitors.
 - Drive team; Used Java, Eclipse for an embedded system