Daniel Ng
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Skills

- **Programming Languages**
  - Java, Python, Javascript, C/C++, SystemVerilog, HTML, Bash, PHP, CSS, Lua, Ruby, Objective C

- **Other Technologies**
  - UNIX, Yocto Linux, git, Android, RTOS, Altera Quartus, FPGA, ModelSim, REST API, Maven, AngularJS, JQuery, Pyramid, MongoDB, PostgreSQL, Redis, Apache Storm, MapReduce, LaTeX

Education

- **University of Washington**   *Expected Graduation: June 2016*
  - Major: Electrical Engineering, concentration in embedded systems
  - Minor: Math
  - Major GPA: 3.67
  - 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