Daniel Ng
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ngdaniel.me

Skills

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

- **Tweet Mood** *www.tweetmood.me*
  - Web application hackathon project, won first overall at NWHacks 2016
  - Performed basic sentiment analysis on tweets and plotted by geotag
- **Fundamentals of Networking Laboratory** *September 2015 - March 2016*
  - MAC layer design for underwater acoustic networking
  - Programmed and tested underwater acoustic modems in the field, built and provisioned embedded system for remote testing
- **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
- **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