**Daniel Ng**
5268 18th Ave NE
Seattle, WA 98105

408.455.0251
danielng@washington.edu
ngdaniel.me

## Skills

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

## Education

- **University of Washington** *Jun '16*
  - B.S. in Electrical Engineering, concentration in embedded computing systems, minor in math
  - Relevant Coursework: Data Structures and Algorithms, Computer-Communication Networks, Computer Architechture, Microcontrollers, Network Security and Cryptography, Database Systems

## Work Experience

- **Medium One** *Jul '14 - 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

- **Urban Parking** *urbanparking.xyz*
  - Partnered with the Seattle Department of Transportation to improve traffic in Seattle
  - Built a web and Android application to route users to ideal parking locations
  - Driven by paystation transaction data and machine learning

- **Fundamentals of Networking Laboratory** *Sep '15 - Jun '16*
  - MAC layer design for underwater acoustic networking
  - Programmed and tested underwater acoustic modems in the field, built and provisioned embedded system for remote testing, developed adaptive modulation algorithm

- **UW Formula Motorsports** *Sep '13 - Jul '14*
  - 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** *Aug '09 - Jun '13*
  - 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