

# Robert Maratos

[rmaratos@andrew.cmu.edu](mailto:rmaratos@andrew.cmu.edu)

[rmaratos.github.io](https://github.com/rmaratos)

617.584.1583

## EDUCATION

### **Carnegie Mellon University**

Pittsburgh, PA

B.S. Electrical and Computer Engineering

M.S. Electrical and Computer Engineering

Class of 2017

GPA: 3.72 (4.00 in ECE)

### **Harvard University**

Cambridge, MA

September 2012 - May 2013

Multivariable Calculus, Linear Algebra

GPA: 3.50/4.00

### **Newton South High School**

Newton, MA

Class of 2013

High School Diploma

GPA: 3.83/4.00

## SKILLS

### **Programming**

Python, C, SystemVerilog, Assembly

### **Web Development**

Django, Flask, JavaScript, jQuery, HTML, CSS

### **Operating Systems**

Mac OS X, \*nix, Windows

## HONORS

### **Carnegie Mellon University**

Build18 2015 Faculty Choice Award

Dean's List (Fall 2013, Spring 2014)

Andrew Carnegie Society Scholar

TartanHacks 2014 Bloomberg Award

15-112 Fall 2013 Term Project Finalist

### **Newton South High School**

Cum Laude, AP Scholar with Distinction,

Music Department Band Award

## ACTIVITIES

Activities Board Technical Committee (Executive Board) - Professional grade entertainment production

Kiltie Band (Vice President for Public Relations) - The Band Without Pants...a tradition since 1908

## EXPERIENCE

### *WhatsApp*

#### **Software Engineer Intern**

May - August 2015 — Mountain View, CA

### *PDT Partners, LLC*

#### *A Global Quantitative Investment Manager*

May - August 2014 — New York City, NY

#### **Summer Technology Analyst**

- Created a website used for internal account management, gaining experience in Django and JavaScript
- Extended infrastructure tools for ingesting real time metric data into a distributed database and later visualizing it
- Implemented a python plugin for monitoring a distributed file system, furthering my Python and UNIX skills

### *CMU, School of Computer Science*

#### *Fundamentals of Programming and Computer Science*

Spring and Fall 2014 — Pittsburgh, PA

#### **Course Assistant**

- Lead a weekly recitation of 25 students teaching python
- Privately tutored students on course material
- Graded homework assignments, quizzes, and tests
- Served as a term project mentor for a dozen students

## PROJECTS

### ***FPGA on the Web!*** (Build18 Project)

- Created a web UI to interact with a Field Programmable Gate Array using modern protocols such as WebSockets
- Using Tornado, a Python web framework, created a multiprocess web server to serve as a low latency intermediate between clients and hardware

### ***we-fi*** (MHacks Project)

- A crowd-sourced heat-map that indicates the wifi signal strength of your surrounding area, targeted for colleges
- Spearheaded backend development with Django
- Presented directly to the Governor of Michigan

### ***dineXchange*** (TartanHacks Project)

- Implemented backend with Flask, Google Maps integration, and CMU Google Apps Authentication
- Oversaw git management and deployment to Heroku