Robert Maratos

rmaratos@andrew.cmu.edu
rmaratos.github.io
617.584.1583

EDUCATION

Carnegie Mellon University
Pittsburgh, PA
B.S. Electrical and Computer Engineering
Minor in Computer Science
Class of 2017
GPA: 3.72 (4.00 in ECE)

Harvard University
Cambridge, MA
September 2012 - May 2013
Mutivariable 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

EXPERIENCE

PDT Partners, LLC
A Global Quantitative Investment Manager
May - August 2014 — New York City
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 tutor students on course material
• Grade homework assignments, quizzes, and tests
• Serve 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

CMU Wi-Fi (15-112 Term Project)
• Visual Wi-Fi analyzer to map signal on CMU campus
• Implemented Shepard's method for inverse distance weighting on the Wi-Fi Signal to Noise ratio

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
W3VC - Amateur radio club, organizes Buggy Safety Net and events for ham radio enthusiasts