

Robert Maratos

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

EDUCATION

Carnegie Mellon University

Pittsburgh, PA
B.S. Electrical and Computer Engineering
Minor in Computer Science
Class of 2017
GPA: 3.88 (4.00 in ECE/CS)

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, Unix, Windows

HONORS

Carnegie Mellon University

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 - Provides professional grade entertainment production services
W3VC - Amateur radio club, organizes Buggy Safety Net and events for ham radio enthusiasts
Kiltie Band - The Band Without Pants...a tradition since 1908

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

Carnegie Mellon University, School of Computer Science

Fundamentals of Programming and Computer Science

January 2014 - Present — 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 personal term project mentor

PROJECTS

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

Analog Synth (Build18 Project)

- Applied circuitry and musical knowledge to create an analog modular synth, using no digital components
- Created a Ring Mod filter, best known for its application on *Doctor Who* to create the iconic Dalek sound

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