Robert Maratos

rmaratos@andrew.cmu.edu
617-584-1583
github.com/rmaratos

EDUCATION

Carnegie Mellon University
Pittsburgh, PA
B.S. Electrical and Computer Engineering
Additional Major in Computer Science
Class of 2017
GPA: 4.00

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

Languages
Python, C, Javascript, HTML, CSS, SystemVerilog, LaTeX, Assembly(AVR)

Frameworks
Flask, Django, Ruby on Rails, Git

Operating Systems
Mac OS X, Linux, Windows

HONORS

Carnegie Mellon University
Dean's List (Fall 2013)
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

Carnegie Mellon University
Fundamentals of Programming and Computer Science Course Assistant, *School of Computer Science*
- Lead a weekly recitation of 25 students
- Privately tutor students on course material
- Grade homework assignments, quizzes, and tests
- Serve as a personal term project mentor

Work Study, ECE Information Technology Services
- Maintain laboratory and cluster computers
- Monitor and update printer infrastructure
- Provide technical support to students and faculty

Assistant Systems Administrator, The Tartan Newspaper
- Manage systems for school newspaper infrastructure
- Develop features for Ruby on Rails powered website

PROJECTS

dineXchange *(*TartanHacks Project)
- Implemented backend with Flask, Google Maps integration, and CMU Google Apps Authentication
- Oversaw git management and deployment to Heroku

whereIsRobert (Personal Project)
- Allows colleagues at ITS to know if I am in the office
- A foray into web development with Flask, a python based web microframework, and SQLAlchemy

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

ACTIVITIES

Activities Board Technical Committee - Provides professional grade entertainment production services
Kiltie Band - The Band Without Pants…a tradition since 1908