Robert Maratos

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EDUCATION

Carnegie Mellon University
Pittsburgh, PA
B.S. Electrical and Computer Engineering
M.S. Electrical and Computer Engineering
Class of 2017
GPA: 3.72

Current Relevant Coursework:
15-441 — Computer Networks
18-487 — Introduction to Computer & Network
       Security & Applied Cryptography

Past Relevant Coursework:
18-341 — Logic Design and Verification
18-348 — Embedded Systems Engineering

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

PROGRAMMING

Python, Erlang, Javascript, C, SystemVerilog,
Assembly

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 Inc. (Facebook)
Summer 2015 — Mountain View, CA
Software Engineer Intern, WhatsApp Web
- Rewrote deployment system to be more efficient and to allow granular beta releases of new versions
- Added client side load time metrics collection
- Enabled WhatsApp Web to utilize Application Cache, greatly impacting page load speed for users

PDT Partners, LLC
A Global Quantitative Investment Manager
Summer 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 distributed file system monitoring plugin

CMU, School of Computer Science
Fundamentals of Programming and Computer Science
Spring and Fall 2014 — Pittsburgh, PA
Course Assistant
- Led a weekly recitation of 25 students teaching python
- Privately tutored students on course material
- 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
- Implemented 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 integrations
- Oversaw git management and deployment to Heroku