Marcus Todd

matodd@andrew.cmu.edu
http://malexandert.com
(845) 820 - 8800

University Address:
3815 Bates Street, Apt. 3
Pittsburgh, PA 15213

Permanent Address:
1709 Whispering Hills
Chester, NY 10918

Education

Carnegie Mellon University — **Pittsburgh, PA**
Bachelor of Science in Computer Science — May 2017
Potential minor in Photography

Hackley School — **Tarrytown, NY**
High School Diploma, with Honors in Mathematics — June 2013
Awards: Cum Laude Society
GPA: 3.8/4.0

Relevant Coursework

Principles of Imperative Computation
Principles of Functional Programming
Web Application Development
Mathematical Foundations of Computer Science
Principles of Software Construction
Parallel and Sequential Data Structures and Algorithms

Skills

Programming languages: Python, Java, Standard ML
some experience in C, ActionScript, JavaScript
Spoken Languages: Basic Mandarin Chinese

Work Experience

Google - Engineering Practicum intern under the Google Fiber TV team, May - August 2014

- Optimized the test generation and test result collection procedure for the Google Fiber TV UI by helping develop a model-based testing framework
- Implemented the utility to run the generated tests and collect and export their results
- Attended various Google-hosted tech talks dealing with various internal and publicly available technologies

SCS DragonCorps - Desk attendant at the School of Computer Science, March 2014 - present

- Offered directions and maps to visitors of the School of Computer Science
- Answered questions people had about being a computer science student at the university
- Organized a calendar so that all members of the DragonCorps could log their shifts and request substitutes, if necessary

Projects/Research

Carnegie Mellon Biorobotics Lab - Research under Pr. Howie Choset - Fall 2013 to Spring 2014

- Worked with robotic snakes; learned to care for the snakes physically (reskinning the body and repairing modules of the body) and also modified the snake protocol file to support new “snaser” (snake laser) hardware

P.A.M. Band - Internship with Kurt Coble, May 2013

- Developed software to translate typed musical notes into music that robotic musical instruments could play. Previously, one could only input music by controlling their servos manually with the mouse or by entering individual servo rotation amounts into a text file.

Extracurriculars

Delta Upsilon Fraternity, Carnegie Chapter, 2013 - present

- Service Chair, Fall 2014 - present

WRCT Pittsburgh, campus radio station, 2013 - present

- Assistant External Music Director, Fall 2014 - present

Spirit Racing Systems, mechanic, 2013 - present