Michael Shullick

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EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY

BS in Computer Engineering
Expected May 2019 | Rochester, NY
GPA: 3.7 / 4.0
Honors, Dean's List,
Presidential Scholarship

Lab Courses
Assembly Language Programming
Circuit Analysis I & II
Computer Science I & II
Digital System Design I & II
Electronics I

LINKS

Facebook:// **mshullick**
Github:// **owltheory**
LinkedIn:// **mshullick**

SKILLS

PROGRAMMING

Languages
C • C++
ARM Cortex-M0+ Assembly
Java • Python • C#
Javascript • PHP • CSS

Tools:
ROS • OpenCV
MVC Design • LaTeX • VHDL • Bash
Octave • Neural Networks
Linear/Logistic Regression
JQuery • CMake

HARDWARE

Oscilliscopes • FPGAs
Digital Logic Circuit Design
Arduino • Raspberry Pi

SOFTWARE

Altera Quartus II
Xilinx ISE • Modelsim
Linux • Subversion • Git
IntelliJ • PyCharm • Netbeans
MySQL • Microsoft Office
PTC Creo • Autodesk Inventor
Apache • Django

OBJECTIVE

A computer engineering co-op through the summer and fall of 2016.
Seeking experience with automation, robotics, and machine learning.

EXPERIENCE

ROCHESTER INSTITUTE OF TECHNOLOGY

Teaching Assistant for Digital Systems Design I
Jan 2015 - Present | Rochester, NY
Student Lab Instructor for CS I - Python
Aug 2015 - Dec 2015 | Rochester, NY

FORCE ROBOTS, LLC

Software Internship
May 2015 – Aug 2015 | Cleveland, OH
- Contributed to software development for an articulate robot designed to finish casted and machined components
- Wrote a function that could identify part features using OpenCASCADE C++ CAD library in order to work towards making the robot more easily "teachable"
- Independently developed a specialized JQuery plugin for graphing data useful to robot programming

RIT - NATIONAL TECHNICAL INSTITUTE OF THE DEAF

Video Production Assistant
Sep 2014 – May 2015 | Rochester, NY
- Edited deaf-oriented productions using Final Cut Pro and Adobe Premier
- Live-event camera operator
- Provided general troubleshooting and support between software updates

PROJECTS

CHESS-PLAYING ROBOT | Personal Side Project

August 2015 – Present | Rochester, NY
ROS package at http://git.io/vuc3t
Independently building robot arm based on Raspberry Pi capable of playing chess. Using open source tools ROS, OpenCV, and Stockfish chess engine. Design based on ABB PalletPack.

MINDCLOUD IDEA NETWORK | ImagineRIT Exhibit

Jan 2015 – May 2015 | Rochester, NY
http://mindcloud.io
Lead development of a social network platform aiming to crowdsource problem-solving. Built from scratch a PHP-powered MVC backend and designed a frontend based on the JQuery framework Foundation. Explored entrepeneurial opportunities. Presented at RIT's Creativity and Innovation festival.

SHOPTIMIZE | Student Entrepreneurship Project

Aug 2014 – Jan 2015 | Cleveland, OH
Lead development of Shoptimize grocery-shopping optimization mobile web application. Built a PHP-backend from scratch and contributed to a JQuery based frontend.