

Rohith Pentaparth

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EDUCATION

University of Michigan, College of Literature, Sciences & the Arts

Ann Arbor, MI

B.S., Data Science, Financial Math minor | GPA: 3.631/4.000

Expected May 2018

- **Honors:** Regents Merit Scholarship 2014, University Honors 2015
- **Coursework:** EECS 281 (Data Structures & Algorithms), Linear Algebra, Probability, Regression, Bioinformatics

EXPERIENCE

Computational Protein Modeling Lab – Engineering Research

Ann Arbor, MI

Python and Bash Developer

June 2017 - August 2017

- Automated visualization tasks that were previously done on GUI, allowing for increased output
- ~~~Currently working to add to MD software on github~~~~

Michigan Solar Car Team – Competitive Solar Car Racing

Ann Arbor, MI

Outreach Specialist in Business Division

January 2015 - December 2015

- Established primary contact for Solar Car Unveil at Henry Ford Museum
- Secured various funds for solar car parts for 2015's Aurum

FIRST Robotics – High School Robotics Competitions

Okemos, MI

C++ Programmer and Tester

September 2012 - June 2013

- Performed basic testing of C++ code for driver controls of robot arm
- Gained experience with software development in a team setting

LEADERSHIP

Science Learning Center

September 2016 – December 2016

Biochemistry Tutor and Group Facilitator

- Managed a group of 10 Michigan undergraduates enrolled in MCDB 310, receiving 4.6/5.0 in overall student feedback

Residence Halls Association at Michigan

May 2015 – May 2016

Vice President of Internal Relations

- Organized campus events in programming committee, & ensured communication lines between hall councils
- Built relations/ designed events with RHA members representing various U.S. universities

TECHNICAL SKILLS

Languages: C++ (proficient), Python (intermediate), R (experience), SQL, HTML

Frameworks & Cloud Experience: Flask, Cocoa Touch

Operating Systems: MacOS Sierra, Windows 10 Boot Camp, Ubuntu 16.04 LTS (VM), iOS 11

Environments: Visual Studio Code, XCode, Emacs

PROJECTS

Slack Bot for Cryptocurrency Tracking (Python, Flask)

- Developed a Python bot built on Flask's framework that pulls in data from an online cryptocurrency tracker and sends it to Slack's general chatbox via slash commands API. Currently working to use an SQLite3 database to store the data over time.

MDining+(iOS/Swift)

- Developed an application to track student calorie intake in the dining halls using the Michigan dining API

Started, but Postponed until GPU upgrade:

Convolutional Neural Network for Self-Driving in Videogame using in-game GPS