

Rohith Pentaparth

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EDUCATION

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

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

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

Ann Arbor, MI

Expected May 2018

EXPERIENCE

Computational Protein Modeling Lab – Engineering Research

Python and Bash Developer

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

Ann Arbor, MI

June 2017 - August 2017

Michigan Solar Car Team – Competitive Solar Car Racing

Outreach Specialist in Business Division

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

Ann Arbor, MI

January 2015 - December 2015

FIRST Robotics – High School Robotics Competitions

C++ Programmer and Tester

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

Okemos, MI

September 2012 - June 2013

LEADERSHIP

Science Learning Center

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

September 2016 – December 2016

Residence Halls Association at Michigan

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

May 2015 – May 2016

TECHNICAL SKILLS

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

Technologies & 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, PyCharm

PROJECTS

Slack Bot for Cryptocurrency Tracking (Python, Flask)

- Developed a Python bot, built on the Flask framework, that tracks/delivers cryptocurrency data to Slack via slash commands
- ~Currently working to use an SQLite3 database to store and graph temporal data

MDining+(iOS/Swift)

- Developed an application to track student calorie intake in the dining halls using the Michigan dining API
- Gained familiarity with Swift and iOS app development on XCode

Started, but Postponed until GPU upgrade:

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