John Paul **O'Neill**

STUDENT

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Summary

Third Year Computer Science student at the University of Michigan. 2.5 years of programming coursework with a record of success and a desire to learn more. Long history of proven servant leadership skills, with a passion for open source software and improving the accessibility of technology and computer science education to underrepresented communities.

Projects

Algovisualizer

JAVASCRIPT, HTML CANVAS   *May 2020 - Aug. 2020*

- Created a website that visualizes different pathfinding and maze generation algorithms on a two-dimensional grid in order for individuals to have a visual aide to assist in learning these algorithms.

Technical Skills

Languages	C++, C, Node.js, Python
Back-end	Flask, SQLite, REST API
Front-end	React, HTML5, css,
Operating Systems	Linux, Windows, Mac
Version Control	Git

Education

University of Michigan   *Ann Arbor, MI*

B.S. COMPUTER SCIENCE - GPA: 3.64   *Anticipated Graduation: May 2022*

Relevant Coursework:

- EECS 281: Data Structures and Algorithms
- EECS 370: Computer Organization
- EECS 376: Foundations of Computer Science
- EECS 388; Introduction to Cybersecurity (Currently Enrolled)
- EECS 485: Websystems (Currently Enrolled)

Work Experience

1Cademy   *Ann Arbor, MI*

PYTHON COMMUNITY CO-LEADER   *January 2021 - Present*

- Lead a team of interns in aggregating knowledge about the Python Programming Language on the large-scale platform 1Cademy, with a focus on organizing information in nodes through prerequisite linking.
- Coordinated interns in assessing the specific needs of other communities on the 1Cademy platform, and in implementing programming solutions to alleviate said needs in smaller project teams.

University of Michigan   *Ann Arbor, MI*

RESIDENTIAL ADVISOR   *August 2020 - Present*

- Built community in the South Quadrangle Residence hall by participating in and encouraging casual social interaction, planning and implementing social programming, and demonstrating consistent availability and accessibility to residents.
- Supported the needs of residents through intentional interactions and virtual activities, connecting residents to campus resources, and responding to crisis situations.

University of Michigan   *Ann Arbor, MI*

COMMUNITY CENTER ASSISTANT   *August 2019 - March 2020*

- Created an approachable and service-oriented environment at the South Quadrangle Community Center by assisting residents in navigating the first- and second-year housing experience and the transition into a collegiate atmosphere.
- Acted as a liaison between residents and administrative staff to best provide the resources necessary to ensure that needs are met with quality customer service skills and follow-up to ensure resolution.