

Christopher Roush
1133 White St, Ann Arbor, MI 48104
734-660-1579
roushc@umich.edu

Portfolio: roushc-ux.github.io
LinkedIn: www.linkedin.com/in/christopher-roush
Github: github.com/roushc-ux

EDUCATION

University of Michigan

September 2017 - April 2021

Ann Arbor, MI

- B.S.E in Computer Science - GPA: 3.4/4.0
- Relevant Coursework: Introduction to Operating Systems (EECS 482), Database Management Systems (EECS 484), Introduction to Artificial Intelligence (EECS 492), and Data Structures and Algorithms (EECS 281).

COMPUTER SKILLS

Languages

- *Proficient in:* C++, Python, JavaScript, and SQL | *Familiar with:* PHP, AngularJS, Swift, React, and Git

EXPERIENCE

Software Engineering Intern

May 2020 - August 2020

Learning A-Z

- Utilized the LAMP stack with other interns to develop an online blackjack game that included user accounts, turn-based play with a virtual dealer, and different game rooms.
- Learned clean coding techniques through multiple code reviews and refactored code to be maintainable within a large codebase, gained experience in a remote work environment and took multiple courses on stack languages used by the company.
- Wrote integration and unit test suites for frontend and backend features, these tested for edge cases and performance standards.
- Developed, using PHP, AngularJS and SQL, a full stack dynamic book reader to address accessibility issues with previous implementations. Created a custom API for database query calls and implemented features like highlighting, drawing, listening and more, all with a focus on better user experience and performance.

Curriculum Development Lead

January 2019 - Present

Hack Blue

- Lead curriculum development team in weekly meetings and brainstorms which provided curriculum to five mentoring sites in the Washtenaw County area. The curriculum included lessons in robotics, computer security, web development, and programming fundamentals in Python.
- Mentored site leaders by helping them determine their curriculum strategy, connecting them with program leads at the mentoring sites and organized accountability system for their student mentors.
- Managed mentors as a site leader at Ypsilanti Community Middle School by creating engaging activities to reinforce the CS curriculum and empower students to pursue future careers in the field.

Project Manager

January 2020 - Present

Void Tech Consulting

- Launched tech consulting club with the purpose of assisting its members in their professional development and benefiting our community by providing software development services for local businesses, nonprofits and organizations.
- Consulted with Freedom House Detroit to redesign their website, freedomhousedetroit.org, using PHP and WordPress. Our group finished the project in a single semester and added features like dynamic resizing to mobile devices, easy customization through a personal WordPress theme, and SSL/HTTPS security.

Mobile App Developer

September 2019 - Present

BLUElab

- Worked with the back-end team to create an app for EcoWorks in Detroit to ensure that their lesson plans about efficient energy spending are easily accessible.
- Made multiple improvements in the app's task list feature such as persistent data, color categorization, video embedding and disabling tasks until completion.