

EDUCATION

- Harvard Extension School** 2021
- Advanced graduate coursework in Web Application Development Using Node.js
 - Created a web application using the MEAN stack
- University of Michigan, Ann Arbor** 2020
- Bachelor of Science in *Neuroscience*, Minor in *Computer Science*
 - University Honors for Academic Achievement
- Birch Run High School** 2015
- Class Salutatorian

WORK EXPERIENCE

- INSTRUCTOR ASSISTANT** 2017 - 2020
- University of Michigan, College of Engineering*
- Instructed the introductory course lab section for the computer science major, EECS 183: Elementary Programming Concepts, in order to prepare students for future engineering courses
 - Created weekly lessons to teach C++, Python, Git and Arduino to university students of various computer science backgrounds
 - Wrote, tested and debugged code for current and future projects, assessments and lessons for each academic term
 - Held office hours to assist with conceptual questions and debugging, while emphasizing the practice of test-driven development in order to write robust code
 - Coordinated with colleagues to translate and implement the course in a remote, online format
- UNDERGRADUATE LABORATORY ASSISTANT** 2016 - 2017
- Wang Lab, University of Michigan*
- Completed independent projects and communicated with researchers for additional tasks
 - Organized and restocked lab equipment to contribute to protein engineering research at the University
 - Cleaned the lab and equipment daily to prevent cross contamination of protein samples
- I.T. ASSISTANT** 2014 - 2015
- Birch Run Area Schools Technology Department*
- Provided IT support stakeholders within the K-12 district schools, academic and bus administration, and the early college program
 - Repaired, replaced and troubleshooted issues with Windows and Mac devices, new software and classroom technology

SKILLS AND ABILITIES

- Programming Languages:** C++, Python, JavaScript
- Frontend Development:** Angular, HTML, CSS
- Backend Development:** Node.js, Express, REST APIs
- Databases:** MongoDB and Mongoose
- Version Control:** Git
- IDEs:** VS Code, Visual Studio, XCode
- Hardware:** Arduino and Raspberry Pi
- Statistical Analysis:** SPSS, Excel
- Foreign Language Proficiency:** French

ADDITIONAL ACTIVITIES:

- Head of RC Dance Forum:** founded and led a four-credit dance club within a residential living/learning community
- Philanthropy Committee for Zeta Omega Eta:** fundraised for, developed and implemented events for various charity drives with other committee members
- Head Programmer for Robotics Club:** Programmed a robot using C++ which qualified for the FIRST Robotics National Competition; taught junior teammates how to program
- President of Forensics Club:** Led club meetings for competitive public speaking team; mentored other members to foster better communication and speaking skills