**William Zheng**

willizhe@umich.edu • 248-648-0651 • 4550 Ardmore Dr

**OBJECTIVE**

**Seeking a summer 2023 internship experience in computer science, software engineering and software technology related fields.**

**EDUCATION**

**University of Michigan** **Ann Arbor, MI**

*Major: Computer Science-College of Engineering May 2025*

GPA: 3.7 / 4.00

Awards: University Honors 2022, William. J Branstrom Freshman Prize (awarded to top 5% of freshmen class/Fall 2021)

Coursework: Data Structures and Algorithms, Introduction to Statistics and Data Analysis, Programming and Introductory Data Structures, Discrete Math, Calculus I & II

**SKILLS**

*Programming Languages: C++, Java, Phython, Numpy, Labview, HTML, CSS, JavaScript,*

*Software: Linux, MS, Microsoft office suites,*

*IDE: Xcode, Visual Studio Code*

**PROJECT EXPERIENCE**

**EECS 281** Data Structures and Algorithms **Ann Arbor, MI**

*August 2022 – December 2022*

* Implemented an algorithm to navigate 3D mazes, utilizing deques, queues, and stacks
* Created data structures to efficiently simulate and manipulate information in a relational database
* Developed optimization algorithms to find the minimum spanning tree and quickest path given a set of points

**Personal Project Bloomfield Hills, MI**

*2019 - Present*

* Developed a neural network utilizing the MNIST database to recognize handwritten digits using gradient decent and back propagation in python
* Link to my GitFront: https://gitfront.io/r/user-4760649/zQNvm4wFbVsG/Neural-Network/

**LEADERSHIP EXPERIENCE**

**Science Olympiad Junta Beverly Hills, MI**

*Team leader 2019 - 2021*

* Managed the team’s schedule to ensure that team members were able to attend the numerous Science Olympiad events they have signed up for and prevented scheduling conflicts.
* Lead the Junta meetings for all team leaders to analyze our performance after competitions and to plan for future events.
* Team qualified for State Final, best results for the school to date (further events cancelled due to Covid)

**WORK EXPERIENCE**

**Saladworks West Bloomfield, MI**

*Crew Member Jul 13, 2022 – Aug 5, 2022*

* Maintained high standards of customer service during high-volume, fast-paced operations
* Assisted management with inventory control and stock ordering
* Handled currency and credit transactions quickly and accurately.