

William Zheng

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OBJECTIVE

Third year undergraduate seeking internship or research experience related to computer science, software engineering, or software technology.

EDUCATION

University of Michigan

Ann Arbor, MI

Major: Computer Science-College of Engineering

May 2025

GPA: 3.67 / 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, Linear Algebra

SKILLS

Programming Languages: C++, Java, Python, HTML, CSS, JavaScript

Software: Linux, MS, Microsoft office suites, pip, Python Virtual Environments

IDE: XCode, Visual Studio Code

Python Libraries: NumPy Pandas, Matplotlib, Pytorch, Open AI Gymnasium, Selenium, tkinter

PROJECT/CLASS EXPERIENCE

EECS 445 Introduction to Machine Learning

Ann Arbor, MI

August 2023 – December 2023

- Build and train a variety of machine learning models for a specific task, such as fitting Support Vector Machines to rate movies based on user reviews.
- Trained Convolution Neural Networks to classify landmarks, based on augmented data and transferred learning.

Personal Projects

Bloomfield Hills, MI

2019 - Present

- **Computer Vision:** Developed a neural network utilizing the MNIST database to recognize handwritten digits using gradient decent and back propagation in Python, [see link](#).
- **Computer Graphics:** Projected a rotating 3D parallelogram onto a 2D plane in 3D space, Python, and Matplotlib, [see link](#).
- **Web Automation:** Used Selenium to automatically register a user for Lifetime Fitness yoga class reservations.
- **Web Scraping:** Scraped the League of Legends wiki using Selenium to acquire champion statistics.
- Link to my GitHub Repository: <https://github.com/NovaBro?tab=repositories>

ACTIVITIES

Wolverine Soft Club Member

Ann Arbor, MI

2022 - 2023

- Developed an Atari Space Shooter video game replica using Unity.
- Collaborated with club members in a Game Jam competition to develop a game in 2 days. The event is hosted twice a semester.

MDST Club Member

Ann Arbor, MI

2023 – 2023

- Investigated on how Reinforcement Learning models work and how to incorporate human feedback.

Hackathons (MHacks)

Ann Arbor, MI

2023 – 2023

- Collaborated with others to design and implement a website to classify food items and to return recipe recommendations.

WORK EXPERIENCE

Saladworks

West Bloomfield, MI

Crew Member

July 2022 – Aug 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.

Hobbies: Working Out, Rock Climbing, Video Games, Origami