

# Alexander Zhang

734-845-1077 | [alexyz@umich.edu](mailto:alexyz@umich.edu) | [linkedin.com/in/alexyz1](https://www.linkedin.com/in/alexyz1) | [github.com/Alexybz](https://github.com/Alexybz)

## EDUCATION

### University of Michigan

*Bachelor of Science in Computer Science — 3.9/4.0 GPA*

Ann Arbor, MI

Aug. 2023 – December 2026

**Relevant Coursework:** *Data Structures and Algorithms, Computer Organization, Discrete Math, Programming and Data Structures*

### Stephen M. Ross School of Business

*Minor in Business Administration*

Ann Arbor, MI

Aug. 2023 – December 2026

## EXPERIENCE

### Software Development Intern

*Victorem Ventures*

May 2024 – Present

Ann Arbor, MI

- Constructed website in Python through Flask, currently approaching deployment. In process of developing an AI device utilizing Edge computing, further information subject to NDA, no additional details available
- Conducted research on Edge Computing and its role in Edge Artificial Intelligence (EAI) and its applications in mobile devices. Explored efficient mobile LLM ASIC integration and EAI hardware and chip capabilities

### Software Engineer Intern

*Ethereal Realms*

March 2024 – May 2024

Miami, FL (Remote)

- Developed and deployed website through Bootstrap, SQL, JavaScript, and HTML/CSS with dynamic functionality, leading to obtaining two major clients as well as attracting an investment of \$10,000 directly to the company
- Coordinated research in AI utilization, CRM, and cross-team communications software resulting in implementation of Aleph Alpha, Salesforce, and Mattermost, decreasing overall communication inefficiency by 50%

### Project Lead

*Michigan Chinese Business Club*

December 2023 – Present

Ann Arbor, MI

- Consulted for Q Bakehouse and Market, conducting market analysis and utilizing 3-D modeling to redesign previous product branding and propose an improved marketing strategy increasing customer engagement by 32%
- Spearheaded research and presentation of the current bond market in the US and China, educating 40 club members about market implications and promoting discussion and proposals of potential resolutions

## PROJECTS

### AI Database ChatBot | *Python, Django, VS Code*

May 2024 – Present

- Designed an AI API through Django in Python for KECC to allow programmers and analysts to edit programs and create reports automatically and increasing work efficiency of 70 KECC employees by 70%
- Permitted individuals unfamiliar with back-end programming to access, gather, manipulate, and analyze datasets with ease and increasing company efficiency by 45% as most employees would be capable of handling basic data

### Machine Learning Post Categorization | *C++, VSCode, Git*

February 2024 – May 2024

- Implemented a machine learning classifier, automatically categorizing forum posts for data organization and retrieval efficiency through a Multi-Variate Bernoulli Naïve Bayes model training on a dataset of archived posts
- Trained classifier to compute log-probabilities for forum post categorization based on learned frequencies of post content and post topic correlation, and applied to real-world datasets with verified accuracy of up to 83.15%

## TECHNICAL SKILLS

**Languages:** C++, Java, Python, SQL, JavaScript, HTML/CSS, R

**Developer Tools:** Git, VS Code, Visual Studio, Ubuntu, Google Colab, MySQL

## ADDITIONAL

**Saxophonist:** 11 years of playing experience, qualifying for the all-state band and was first chair in the top band

**Hand-tie blankets:** helped cut and tie 200+ hand-tie blankets and coordinated donation to a local homeless shelter