

William Zhang

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Relevant Links: [LinkedIn](#) | [GitHub](#)

Skills: C++, Python, Java, JavaScript, HTML, CSS, C#, Swift, SQL, SwiftUI, React

Tools/Frameworks: Git, Processing, Microsoft Office, Panda, Supabase

EDUCATION

University of Michigan, Ann Arbor

May 2026

BSE Data Science

Honors: Dean's Honor List, University Honors

- **Relevant Coursework:** Data Structures and Algorithms, Discrete Mathematics

EXPERIENCE

IEEE (Institute of Electrical and Electronics Engineers)

July 2023

Student Volunteer

Chicago, IL

- Cultivated a global professional network by engaging with experts from over 30 countries, deepening knowledge in current software engineering technologies
- Assisted in the planning and execution of the annual IEEE International Conference, coordinating logistics for over 500 attendees

UROP (Undergraduate Research Opportunity Program)

September 2023 - May 2024

Research Assistant

Ann Arbor, MI

- Lead a collaborative effort in designing an immersive virtual reality experience, leveraging Unity or development on Oculus Quest
- Integrated Uptail and 3-D cameras for extended reality training along side script development in C#
- Utilized recursive backtracker to generate a randomized map, ensuring unique gameplay experience

Xilin Chinese School and Baoying High School

June 2019 - August 2019

English Teacher

Jiangsu Province

- Developed and executed innovative lesson plans for high school students in China, focusing on American culture and education pathways, significantly enhancing cross-cultural comprehension

Ding Dang Sushi Restaurant

December 2021 - June 2023

Cashier, Chef, and Manager

Naperville, IL

- Demonstrated strong leadership by overseeing a dynamic team responsible for crafting bento boxes, appetizers, and sushi, ensuring high-quality food preparation and presentation
- Strategically devised and implemented an innovative sales strategy, leading to a remarkable 23% surge in restaurant sales within six months
- Implemented efficient processes in the kitchen and front-end operations, resulting in reduced wait time for customers, improved service quality, and increased overall customer satisfaction

PROJECTS

AppointmentApp | Swift, SwiftUI

May 2024

- Integrated a real time database using Supabase as well as features such as appointment reminders and scheduling flexibility, and reduced the time required to make an appointment by 50% leading to an improved customer experience. This application is tailored for my parent's spa, JP Foot Spa.

SillyQL | C++

April 2024

- Designed and implemented data structures to efficiently manage tables, rows, and columns while ensuring optimal runtime and storage trade-offs
- Developed functionality that is capable of interpreting and processing SQL-like commands

MineEscape | C++

February 2024

- Implemented a 2D priority queue to efficiently select tiles in a simulated mine escape minigame, optimizing gameplay experience
- Enhanced data structures with range-based constructors and copying functionalities, improving versatility and user experience