Isaac B. Wan

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EDUCATION

Macalester College, Saint Paul, MN

Bachelor of Arts Degree Expected: May 2024

Majors: Computer Science and Chinese Language & Culture

GPA: 3.83

Semester Abroad GPA: 3.86

Honors/Awards: DeWitt Wallace Distinguished Scholarship and John & Dolores Holl Scholarship

Extracurricular Activities/Clubs: Game Developers at Mac (Treasurer) and Macalester Consulting Group (Member)

Relevant Coursework: Introduction to Statistical Modeling

China Educational Tours (CET) Taiwan

National Taiwan University, Taipei, Taiwan, Mandarin Language and Culture

Aug. 2022 - Nov. 2022

● Participated in daily language class (15 hours per week) in the Chinese Language Division, learning new grammar

and vocabulary.

● Attended weekly Taiwanese Cultural elective (3 hours per week), studying Taiwanese history and culture.

● Coordinated weekly meetings with a language partner to practice speaking Chinese and form bonds.

SKILLS

Languages:

Software:

Chinese (Professional) Python (Intermediate)

Postman (Basic)

WordPress (Basic)

Linux (Basic) SQL (Basic)

R (Basic)

Adobe Creative Cloud (Basic) Canva (Basic)

CERTIFICATE / BADGES

Cybersecurity Professional Certificate, Google (In-Progress)

July 2023 - Present

● Completed the first, second, third, and fourth courses of the eight total in the program.

API Fundamentals Student Expert, Postman

Aug. 2023

● Demonstrated proficiency with APIs and Postman by completing foundational tasks in Postman and passing all

tests with a submitted Postman Collection.

Technology Academy, AT&T

July 2023

● Acquired technology and personal growth acumen and professional development.

● Gained insights and advice on technology, leadership, and career from business executives and recognized experts

● Completed entry-level training in data analytics, SQL, leadership in tech, and 5G tech strategy.

CODING PROJECTS / PROTOTYPES

Comp-394 Human Computer Interaction

Spring 2023

● Redesigned Macalester’s MSCS department website for non-MSCS students fulfilling their general education.

● Accomplished by conducting a heuristic evaluation, then assessing the main heuristics related to our user group.

● Modeled our prototype with pen and paper, then revised it using Figma to develop a high-fidelity prototype.

● Thoughtfully engineered a community word library interface to be utilized for AAC devices.

● Achieved by consulting a panel of AAC device users about their issues and applied value sensitive design theory.

● Composed an affinity diagram to narrow our scope and conceptualized our community word library interface.

Comp-225 Software Design and Development

Spring 2022

● Planned and built a Jell-O physics-based, competitive basketball game, “Sqwish,” using a game framework.

● Collaborated with a team over the course of a semester and independently learned JavaScript for our project.

Comp-221 Algorithm Design and Analysis

Spring 2022

● Researched and programmed a Rubik’s Cube algorithm in Java to solve a user’s scrambled Rubik’s Cube.

EXPERIENCE

Macalester’s Digital Resource Center, St. Paul, MN

Sept. 2020 - Present

Assistant

● Manages tech equipment for students and faculty and prepares software for events, projects, or personal use.

● Operates troubleshooting ticket system, TopDesk, to provide technical assistance and 3D/poster printing requests.

● Coded and regularly maintains a Discord bot that connects to TopDesk’s API to pull tickets and post them.

● Taught monthly workshops for students and staff to learn about new technologies and software, such as Canva.

● Organizes Macalester’s WordPress sites using Airtable and migrates sites to the latest version.