

# Alan Liang

Computer Science, Data  
Science, Environmental Studies

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## About

Dedicated student pursuing Computer Sciences, Data Science, and Environmental Studies at UW-Madison. Interested in further enriching my knowledge and experiences in these fields. Strengths in effective communication and organization.

## Education

- **University of Wisconsin Madison**  
*B.S in Computer Science, Data Science, Environmental Studies*  
2022 - 2026 (expected)  
GPA: 4.0/4
- **Whitefish Bay High School**  
*High School Diploma*  
Graduated in 2022  
GPA : 4.24/4

## Relevant Coursework

- Programming II & III
- Discrete Mathematics
- Introduction to Algorithms
- Introduction to Computer Engineering
- Data Science Modeling I
- Theory & Practice of Computer Science Education

## Hard Skills

- Efficient Typing (85+ WPM)
- Chinese (Professional Working)
- French (Limited)
- Object-Oriented Programming
- Web Design
- Google Sheets

## Soft Skills

- Organization
- Problem-solving
- Collaboration
- Time Management
- Flexibility

## Experience

Study Abroad - UW Food Systems and Environment in Northern Japan

*Aug 2023, Obihiro, Hokkaido, Japan*

Learning Outcomes:

- Effective communication across cultural and language barriers
- Deepened understanding of the strengths and limitations of food systems in Japan

University of Wisconsin Sea Grant | Beach Ambassador  
*June 2023 - Present, Milwaukee, WI*

Key responsibilities:

- Spread awareness about beach and water safety along the Milwaukee lakefront
- Developed the Beach Ambassador Website for easy access to information and resources
- Engaged with the community at citywide events

Mathnasium | Math Instructor

*Jan. 2021 - Jan. 2023, Whitefish Bay, WI*

Key responsibilities:

- Mastered socratic questioning to guide kids towards a metacognitive understanding of mathematical processes
- Actively engaged with the community at local events to spark interest in mathematics
- Guided new employees through the process of effectively teaching math
- Worked as a team to excel in an adaptive work environment

## Achievements

2022, 2023	UW-Madison Dean's List
2023	1st Place Sustainability Hack (MadHacks 2023)
2022	Wisconsin Academic Excellence Scholarship

## Projects

Beach Ambassador Website: (WIP)

Spotify API Quizzer: <https://pixelfish123.github.io/>

EmptyFridge (Hackathon Winner): <https://devpost.com/software/emptyfridge>

## Extracurriculars

UW-Madison Chinese American Student Association

*Sep 2022 - Present*

- Secretary Intern - Organized meetings and email newsletter
- Event Coordinator

Code to Connect

*Sep 2023 - Present*

- Teach K-12 about fundamentals of coding and basic concepts