

# Alan Liang

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Dedicated student pursuing **Computer Sciences & Environmental Studies** with certificates in Data Science & Game Design. Interested in enriching my experiences in computing, ML, agriculture, and environmental justice.

## PROFESSIONAL EXPERIENCE

### Computer Science Peer Mentor

Sep 2024 - Present

University of Wisconsin Madison | Madison, WI

- Assisted in a course of 100+ students to create a positive learning environment
- Interact with students to develop frontend development skills : **HTML, CSS, JS, React.js, React Native**

### Beach Ambassador

June 2023 - June 2024

University of Wisconsin Sea Grant | Milwaukee, WI

- Developed the official Beach Ambassador Website using **HTML, Javascript, CSS**, and WordPress
- Interacted with 500+ beachgoers to promote beach safety along the lakefront and at city wide events

### Instructor

Jan 2021 - Jan 2023

Mathnasium | Whitefish Bay, WI

- Worked as a team of 8+ instructors to support the learning of 100+ K12 students every day
- Actively engaged with the community at local events to spark interest in mathematics

## PROJECTS

### Custom Linux Shell

Oct 2024

- Used C to create a custom Unix shell program in the Linux terminal to manage multiple processes

### SpotLight

Aug 2024

- 2nd place** hack at Empower 2.0 Hackathon , SonicBids track
- Created an EPK networking app featuring events, user pages, chatting using **React & NoSQL** database

### Empty Fridge Plus

Mar 2023, Jun 2024

- Upgraded hackathon project to a responsive mobile app using **Spoonacular API** and **React Native**
- 1st place** sustainability hack @ UW-Madison: website for reverse recipe search w/ **HTML, Javascript**

## EDUCATION

### B.S - Computer Science & Environmental Studies w/ Cert: Data Science & Game Design

2022 - 2026

University of Wisconsin - Madison. GPA: 3.98

## EXTRACURRICULARS

### Chinese American Student Association

Sep 2022 - Present

- Co-President.** Previously held positions: Event Chair, Secretary
- Responsible for overseeing events of 500+ members to promote Chinese-American culture

### Wisconsin Ideas Fellowship - "Cultivating Connections"

Oct 2024 - Present

- Advising Asian-American high schoolers in academics, career, and what the Asian-American identity

### Asian Pacific Islander Heritage Month (APIHA) Planning Committee

Sep 2024 - Present

- Assist in planning 30 days of events in April to celebrate and enrich the APIHA diaspora

### Code To Connect

Sep 2023 - Present

- Engage with K12 students about computer science concepts such as binary counting and encryption

### UW Food Systems and the Environment in Northern Japan

Aug 2023

- Learned to communicate effectively across cultural and language barriers in a 14-day immersion
- Studied agricultural strategies at the Obihiro University of Agriculture and Veterinary Medicine.

## SKILLS

HTML | JavaScript | Java | React | ReactNative | C | R | Python | Postgres | ArcGIS | SQL | Chinese | French