AN LOU

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EDUCATION

UNIVERSITY OF WISCONSIN-MADISON — Madison, WI

Bachelors of Science in **Computer Science** — 2024 - Intended Graduation May 2028

Overall GPA: 4.0/4.0

Courses Taken: Algorithms, Data Structures, Intro to Computer Engineering, Digital Electronics, Discrete Mathematics, Linear Algebra

Courses Taking: User Interfaces, Operating Systems, Intro to AI

RELEVANT EXPERIENCE

PERSONAL WEBSITE — Madison, WI

Developer — Oct 2025– Present

- Developed own personal website from scratch using pure HTML/CSS/JS.
- Implemented best practices for an accessible user experience and a modern, unique interface.
- Actively adding new features and projects to cultivate skills and deepen understanding of Computer Science.

PIRG RIGHT TO REPAIR FIX-A-THON — Madison, WI

Volunteer — October 18th, 2025

- Altogether refurbished 40 computers that could not update to Windows 11 by installing Linux Mint

MENOMONEE FALLS HIGH SCHOOL ROBOTICS CLUB - FRC TEAM 6223 — Menomonee Falls, WI

Coding Lead — Oct 2022– July 2024

- Lead a code team to create and merge code for our robot in Java using GitHub and VSCode, and OOP practices.
- Programmed and tested motors directly using Phoenix Tuner.
- Implemented an auto-run routine for the robot using PathPlanner, placing us 4th out of 54 teams in terms of auto-points (we also placed 1st out of 54 overall in the 2024 qualifiers).

MENOMONEE FALLS HIGH SCHOOL IT Help Desk — Menomonee Falls, WI

Tech Support — Jan 2022– Jun 2023

- Fixed 50+ student's problems with the school's chromebooks by replacing batteries, buses, and screens.
- Disassembled 20+ broken chromebooks to reuse working components.
- Managed and submitted tickets to keep track of IT problems and work with other tech support members/leads.

ADDITIONAL SKILLS

Tools: Docker, Git, Unity, VSCode, Eclipse, R Studio, Postman, Figma

Tech Stack: React (Tailwind + Shadcn), React Native, Next, Vercel, Redis, SQL

Additional: Linux, Breadboarding, Arduino

Programming Languages: Java, TypeScript, JavaScript, Python, C, C++, Assembly

Languages: Native English, Intermediate Japanese, Elementary Chinese

Awards: National Merit Scholarship Finalist, Wisconsin Merit Scholarship, Academic Excellence Scholar

ADDITIONAL EXPERIENCE

FIREHOUSE SUBS   Menomonee Falls, WI
Crew Member   Sep 2023– Aug 2024
- Tended to and resolved customer questions demands and complaints regarding the establishment
- Maintained, cleaned, and stocked facilities and equipment mostly regarding food
- Collaborated with other team members to deliver satisfactory service to customers under high demand situations

ROAMIN' WITH RAMEN   Madison, WI
Club Member   Sep 2024– Present
- Volunteering and fundraising to go towards local food pantries on campus (biweekly)

AP PHYSICS STUDENT ASSISTANT   Menomonee Falls, WI
                                                                              Fall Semester 2022

- Helped set up AP Physics labs requiring measuring devices and manual labour
- Answered student's questions in a classroom of 30