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

RELEVANT EXPERIENCE

GENSHIN OPTIMIZER (Open Source)   Madison, WI
Contributor   Dec 2025– Present
- Debugged and implemented features to existing codebase written with React/Typescript.
- Communicated with maintainers to cleanly merge production-ready code using github pull requests.

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, 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