Keagan Hansen

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EDUCATION

University of Nebraska at Omaha | B.S Computer Science & AI **August 2024 - Present**

TECHNICAL SKILLS

Languages: C, Python, JavaScript, HTML5, CSS3
Frameworks & Libraries: Node.js, React Native, Jupyter Notebooks, Pandas, Django
Databases: PostgreSQL, Firebase
Tools & Platforms: Git, Docker, Linux, Xcode, Excel, Mapbox

WORK EXPERIENCE

University of Nebraska-Lincoln
Undergraduate Teaching Assistant August 2025 - December 2025

- Opportunity to TA for ECEN 155E (Computer Science I), a class of 57 students that focuses on C programming fundamentals.
- As a team of 3 TAs, led two weekly lab sessions, providing concept clarification and hands-on debugging.
- Graded 2 lab assignments weekly, along with occasional quizzes. Provided feedback on labs to help students improve code.
- Coordinated with the professor and other TAs to run labs and assessments. Also got to lead a couple in-lecture code-alongs on structs and file I/O.

Platometer
Software Engineering Intern November 2024 - Present

- Currently developing skills in AI, web development, software architecture, and various programming languages.

The H+H Group
Information Technology Intern August 2024 - May 2025

- Troubleshot hardware and software issues, assisted with system maintenance, and created programs to help the team with repetitive tasks.
- Worked with networking, security protocols, and ticket management.

PROJECTS

Maze Builder & Solver *Jan 2025 - May 2025*

- Built an interactive program where users can create their own mazes with varying grid sizes, and visualize the solutions of different traversal algorithms like BFS and DFS. Designed the interface using Pygame and Pygame_GUI.

Mobile App Project - WaitWatch *July 2025 - Present*

- Building a cross-platform React Native mobile app that lets users discover the wait times of nearby places on an interactive map using Mapbox and custom up-to-date tilesets, search locations, and submit/view crowd-sourced wait times with real-time updates, leaderboards, and a point-based reward system.

Leadership and Involvement

DLR Group - AI Formatting Tool (Feb 2025 - May 2025): Developed a Python/Pandas AI tool with Azure OpenAI, cutting processing time 99% with <1% error for global scheduling datasets.

MavLabs - App Development Club (August 2025 - Present): Co-founder and VP of a multi-project student software organization, implementing team structure, sprint planning, and code review practices. Creating a pipeline of career-ready projects.