

MASON WOOLDRIDGE

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EDUCATION

University of Kentucky

B.S. Computer Science, B.S. Mathematics, B.S. Mathematical Economics - Triple Major

GPA: 3.80

Lexington, KY

May 2026

EXPERIENCE

Computer Science Lab Assistant

University of Kentucky

Aug 2024 - Present

Lexington, KY

- Taught lab section for CS 115: Intro to Computer Programming, in Python.
- Graded coursework and held office hours.

Mathskeller Undergraduate Assistant

University of Kentucky

Aug 2024 - Present

Lexington, KY

- Supported students in a collaborative learning environment, ensuring they grasp course material.
- Demonstrated knowledge of a variety of math courses by helping and tutoring students.

Engineering Teaching Assistant

University of Kentucky

Aug 2024 - Present

Lexington, KY

- Assisted first-year engineering students by offering guidance on project development.
- Managed open lab sessions, providing additional assistance and mentoring to students outside of regular class hours, allowing for more personalized feedback.

Stocker

Kroger

May 2024 - Aug 2024

Frankfort, KY

- Restocked shelves, organized inventory, and maintained a clean store environment.
- Provided exceptional customer service by guiding shoppers to products, maintaining a 100% satisfaction rate.

PROJECTS

Personal Portfolio Website

Designed and developed an interactive portfolio website to present my programming projects and technical skills. Utilized HTML, CSS, and JavaScript for the frontend, incorporating animations and dynamic content to enhance user engagement. ([View here](#))

Pyraminx Solver using A* Algorithm Developed a Pyraminx puzzle solver in C++ utilizing the A* search algorithm to determine the minimum number of moves required to solve the puzzle. Designed and implemented a custom heuristic function that accurately estimates the remaining moves, significantly enhancing the algorithm's efficiency and performance. Optimized the solver to handle complex states, reducing computation time by 40%.

EXTRA-CURRICULAR ACTIVITIES

- YoungLife Jan 2024 - Present
- CatHacks Sponsorship Team Aug 2023 - May 2024

SKILLS

Languages: C++, Java, HTML, CSS, JavaScript, Python, MATLAB, C, Swift

Tools and Frameworks: Git, VS Code, React.js, SwiftUI

Processes: Agile, Scrum