Kyle Poage

kpoage@wisc.edu | (925) 360-3306 | Website: https://kyle-poage-portfolio.vercel.app

Education

University of Wisconsin-Madison   **May 2026**
B.S. Computer Science, Economics   3.81 GPA
Certificate in Mathematics

Relevant Coursework:
Operating Systems, Database Management Systems, Algorithms, Machine Organization, User Interfaces, Linear Algebra, Multivariable Calculus, Combinatorics, Econometrics, Game Theory, Probability Theory

Relevant Experience

Software Engineering Intern   May 2025 - Aug 2025
Whova, Inc.   San Diego, CA
- Developed internal tools using Django and React to streamline Sales Team processes and improve interdepartmental communication
- Designed RESTful APIs using the Django Rest Framework, handling authentication, serialization, business logic, and pagination
- Managed complex data interactions with Django ORM, including filters, pagination, and query optimization. Integrated Gmail API to automate database entry from incoming messages
- Used Redux for state management to support dynamic UI features and seamless user interaction

Undergraduate Teaching Assistant   Sept 2024 - May 2025
UW-Madison   Madison, WI
- Held weekly office hours to assist Programming III students with debugging, code structuring, and conceptual explanations in Java.
- Collaborated with professors and TAs to develop course materials and Q&A resources
- Utilized Java extensively for debugging, problem-solving, and guiding students through complex programming challenges

Projects

TEL Real Estate   Feb 2025 - Apr 2025
- Project under UW-Madison's Tech Exploration Lab aiming to design a feature that verifies disability accessibility for short term Airbnb rentals.
- Used Flask to design API's to list rentals, apply rentals for validation, and confirm rentals for validation

Poker Emulator   Jun 2024 - Feb 2025
- Created a poker game using Node.js and WebSockets to concurrently play with friends online
- Implemented game logic and backend using JavaScript with an HTML and CSS frontend

Flight Router   Oct 2023 - Dec 2023
- Read data representing different airports and flights from a dot file and inserted them into a graph
- Implemented Dijkstra's algorithm to find the shortest route between two airports, minimizing the mileage between the two

Technical Skills:

Languages & Frameworks: Java, Python, Javascript, React, SQL, C, Django ORM, Node.js, Stata, R
Tools: Git, Redux