Kyle Poage
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Education

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

Certificate in Mathematics

Relevant Coursework

Database Management Systems, Algorithms, Machine Organization, Linear Algebra, Multivariable Calculus, Probability Theory, Econometrics, Game Theory, Theory of Single Variable Calculus

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 custom queries. Integrated Gmail API to automate lead creation in the database
- 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/C++, Django ORM, Node.js, Stata, R
Tools: Git, Redux