Kyle Poage

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Education

University of Wisconsin-Madison   May 2026
3.77 GPA
B.S Computer Science, B.S. Economics with a Mathematical Emphasis
Relevant Coursework
Data Structures and Algorithms, Elementary Matrices and Linear Algebra, Multivariable Calculus, Discrete Mathematics, Matrix Methods in Machine Learning, Economics Statistics, Intermediate Microeconomic Theory, Intermediate Macroeconomic Theory
Technical Skills: Java, Python, Kotlin, HTML, CSS, JavaScript, SQL, Git

Projects

Flight Router   October 2023 - December 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

Car Organizer   August 2023 - October 2023
- Implemented an iterable, multikey red-black tree to store different cars by mileage
- Developed an interactive frontend loop allowing users to load different CSV files and list the cars by mileage

Poker Simulator   September 2023 - Present
- Programmed a functioning poker player using a hashtable
- Calculated the odds of all player's hands after each flopped card

Mask Detector   November 2021 - January 2022
- Trained a mask detector model using convolutional neural networks to detect whether or not a person is wearing a mask. Used Python and TensorFlow
- Resulted in an accuracy of 98.43 percent

Relevant Experiences

Phi Delta Theta Assistant Rush Chair   June 2023 - Present
- Coordinated events for potential new members, reached out to students, and collaborated with a team to prepare our rush schedule
- Recruited 19 new members through interviews, events, and tablings

Humorology   September 2023 - June 2023
- Helped organize an interfraternity charity event for domestic violence victims that raised over 500,000 dollars for The Canopy Center. Wisconsin's largest student-run philanthropy event
- Received second place in the competition

Chipotle Crew Member   June 2020 - August 2022
- Made food, washed dishes, processed mobile orders, and cleaned the store
- Required quick thinking, customer service, and team-building skills