DAUSEN MASON

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Education

The University of Alabama College of Engineering, Tuscaloosa, AL — December 2024
Bachelor of Science In Computer Science

Relevant Skills

- Experience with AGILE development frameworks, Scrum meetings, etc.
- Languages include C, C++, Python, Java, Javascript, HTML/CSS, SQL, MongoDB, as well as Bash and Shell scripting. Also comfortable with version control (Git).
- UI/UX Design experience with Front End Frameworks such as Node.js, React, and Streamlit.
- MS Office + Adobe Creative Cloud.
- Communication, teamwork, and adaptability skills.

Work Experience

General Manager, Nocturnal Tavern, Tuscaloosa, Alabama — Feb 2023 - Present

- Lead a team of bartenders to maintain efficient, high-quality service in a fast-paced, high-volume environment.
- Implement strategies to streamline workflow, resulting in improved service speed and overall team productivity.
- Foster a positive and dynamic atmosphere, promoting teamwork and adaptability under pressure.
- Managed inventory, scheduling, and ordering to ensure operational efficiency and cost control.
- Handled staffing responsibilities including hiring, training, and, when necessary, terminations, fostering a reliable and effective team.

Shift Lead / Bartender, Central Mesa, Tuscaloosa, Alabama — May 2019 - Present

- Develop leadership and problem-solving skills by managing conflict resolution, training staff, and ensuring compliance with safety and service standards.
- Excelled in delivering exceptional guest experiences while leading a fast-paced and dynamic restaurant environment.
- Improved operational efficiency through proactive problem-solving and effective communication with kitchen and front-of-house teams.

Relevant Experience

CS 484, Introduction to Reinforcement Learning, University of Alabama

- Acquired foundational knowledge of Reinforcement Learning, including key AI principles such as reward-based learning, policy optimization, and agent-environment interactions.
- Implemented multiple reinforcement learning algorithms (Monte Carlo, Proximal Policy Optimization, Reward Shaping).

CS 495, Engineering Firm Project Fee Calculator

- Designed and developed software solution for an engineering firm to automate project fee calculations, increasing accuracy and efficiency.
- Implemented a modular architecture with .json files to allow dynamic adjustment of fee rates without modifying codebase.
- Prepared platform for proposal generation support, streamlining administrative tasks in future use.
- Thoroughly documented codebase to ensure future developers can easily understand, maintain, and expand functionality.