JADE MAWN

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EDUCATION

University of Richmond, Richmond, VA August 2022 - Present
Bachelor of Science
Computer Science and Mathematics
3.89

- Minor in French Language & Culture

WORK EXPERIENCE

Dept. of Computer Science, University of Richmond, VA September 2024 - Present
Lab Assistant and Tutor

- Lead weekly tutoring sessions for computer science students in Data Structures (CMSC 221), developing innovative teaching methods to improve student comprehension and success.
- Assist students in Software Systems (CMSC 240) labs, using various strategies to increase understanding.

Passport Café, University of Richmond, VA September 2023 - Present
Café Assistant

- Initiate mentorship for new student workers to enhance café efficiency and quality standards. Demonstrating drive to outcomes, fulfill on average 50 orders per hour and develope new menu items and product improvements.

Dept. of Mathematics, University of Richmond, VA May 2024 - July 2024
Undergraduate Researcher

- Researched SL_n Web Combinatorics with a team of students under the supervision of Dr. Heather Russell. Made advancements by proving three new theorems and refuting longstanding conjectures. Designed necessary code to support discoveries.

Mudhouse Coffee Roasters, Charlottesville, VA July 2021 - January 2024
Barista Lead, Seasonal

- Fulfilled shift lead responsiblities of opening/closing the business, handling cash, and providing costumers with a enjoyable experience. Handled on average 100+ transactions per shift.

CONFERENCES

Bridges Conference, Richmond, VA Summer 2024
SL_4 Webs

- Presented a visual art piece illustrating the principles of sl_4 web constructions, developed in collaboration on on ongoing research project with Dr. Heather Russell, bringing attention of 400+ viewers to the research.

Meeting of the MD-DC-VA section of the MAA, Harrisonburg, VA Spring 2024
Poster on SL_3 Webs

- Presented group research on enhancing sl_3 web constructions with color, showing techniques for operations in combinatorial representation theory. Shared findings with twelve research groups and several professors.

LANGUAGE AND COMPUTER SKILLS

- Java, C++, Python, LaTeX, Assembly

LANGUAGES

- English: Native Speaker; French: Advanced (C1); Spanish: Intermediate (B1)