

# JADE MAWN

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## EDUCATION

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

- Minor in French Language & Culture

## WORK EXPERIENCE

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**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 of data structure implementations in Java.
- Assist students in Software Systems (CMSC 240) labs, using various strategies to increase understanding. Aid in use of virtual machines, git/github and use of the C++ language.

**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 develop new menu items and product improvements.

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

- Researched SL<sub>n</sub> 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 responsibilities of opening/closing the business, handling cash, and providing costumers with a enjoyable experience. Handled on average 100+ transactions per shift.

## CONFERENCES

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**Bridges Conference**, Richmond, VA Summer 2024  
*SL<sub>4</sub> Webs*

- Presented a visual art piece illustrating the principles of sl<sub>4</sub> 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<sub>3</sub> Webs*

- Presented group research on enhancing sl<sub>3</sub> 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

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- Java, C++, Python, LaTeX, Assembly, Version Control with Git and Github

## LANGUAGES

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