

Rebecca A. Jackson

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More Information on Personal Website: rjacks02.github.io

EDUCATION

Villanova University - Villanova, PA 19085

- Double Major: BS/MS in Computer Science and BS in Mathematics

August 2023 - May 2027

GPA: 3.98

WORK EXPERIENCE

Teaching Assistant (TA): Competitive Programming Course - Villanova, PA

January 2025 - May 2025

- Assist Professor Kathleen Malone during class meetings and help students in class
- Grade student homework, report feedback to Professor, and host weekly office hours
- Facilitate in-class programming competitions and mock interviews

Cashier and Food Preparer: The Grand Beach Café - Wildwood, NJ

June 2023 - August 2024

- Took orders from hundreds of customers daily and trained new employees on procedures/restaurant software

RESEARCH PROJECTS

#AntiHaul: Creator Motivation and Anti-Consumption

June 2024 - Present

- Computer Science research team under Dr. Sarah Cooney through Villanova's Summer VURF Program
- Created Python programs utilizing YouTube's Data API to analyze videos and transcripts
- Created poster and presented at Villanova's Student Research Symposium
- Hired as an Undergraduate Research Assistant in 2024-25 academic year to continue project

#Haul: An Analysis of YouTube Discourse Surrounding

January 2024 - May 2024

Over-Consumption and Sustainability in Haul Videos

doi.org/10.1145/3679318.3685373

- Computer Science research team under Dr. Sarah Cooney through Villanova's Match Program
- Created Python programs utilizing YouTube's Data API to analyze videos, comments, and viewer engagement
- Final Paper accepted to NordiCHI 2024

Non-Recursive Solution of the Tower of Hanoi

January 2024 - May 2024

- Mathematics research team under Dr. Alexander Diaz-Lopez through Villanova's Co-Master Program
- Created Python programs and website to simulate and analyze the Tower of Hanoi
- Presented at EPaDel conference at Albright College & Mathematics Symposium at Villanova University
- Currently conditionally accepted for publication by Mathematics Magazine

ACCOLADES AND AWARDS

ICPC Programming Competition, Division 2

November 2024

- 1st Place at Wilkes University Location
- 8th Place in Mid-Atlantic Region

National Merit Scholar

May 2023

TEAMS AND CLUBS

Programming Team - Vice President

September 2024 - Present

- Completed coding problems on *Kattis*, individually ranked #1 at Villanova, #11 in Pennsylvania
- Compete at programming competitions alongside team members
- Run weekly meetings for groups of students with varying levels of coding proficiency

Society for Women In STEM (SWIS), Association for Women in Mathematics (AWM)

September 2024 - Present

Girls Who Code Club

January 2023 - Present

PROGRAMMING SKILLS

- **Languages:** Python, Java, C, C++, JavaScript, HTML
- **Utilizing:** CSS, Git, React, ReactNative, Various APIs