Rebecca A. Jackson

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More Information on Personal Website: **rjacks02.github.io**

EDUCATION

Villanova University - Villanova, PA 19085   August 2023 - May 2027
- Double Major: BS/MS in Computer Science and BS in Mathematics   **GPA: 3.98**

WORK EXPERIENCE

Teaching Assistant (TA): Competitive Programming Course - Villanova, PA   January 2025 - May 2025
- Assist Professor Kathleen Malone during class by facilitating in-class competitions and mock interviews
- Host weekly office hours and grade student homework

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 and VU Women in Tech Conference
- 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 for publication at 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 for EPaDel at Albright College, 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

LEADERSHIP, TEAMS, AND CLUBS

Aspirations in Computing Philadelphia Affiliate - Co-Founder/Leader   January 2025 - Present
- Hosting a banquet in April for the Philadelphia winners of the Aspirations in Computing Award by NCWIT
- Plan to visit local high schools next year to encourage students to apply for the award
- Currently going through the formal process of club creation to continue this process in coming years

Programming Team - Vice President   September 2024 - Present
- Complete coding problems on *Kattis*, individually ranked #5 in Pennsylvania
- Run weekly meetings for groups of students with varying levels of coding proficiency

Girls Who Code - Society for Women In STEM - Association for Women in Mathematics   September 2024 - Present

PROGRAMMING SKILLS

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