

Cassandra “Cassie” Davidson

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EDUCATION:

Skidmore College, Saratoga Springs, NY

Graduation: May 2025

B.A. in Computer Science, Minor in Biology

Dean’s List & Thoroughbred Society (Fall 2021, Fall 2022, Spring 2023, Fall 2023, Spring 2024)

Cumulative GPA: 3.794, Major GPA: 3.959

SKILLS:

Programming languages: Expert: Java, Python; Proficient: C++, Swift; Basic: C, HTML, JavaScript, React Native

Relevant courses: Data Structures, Software Engineering, Programming Languages, Mobile Computing, Algorithms, Databases

Tools & Technology: DevOps, Git, Selenium WebDriver, TestNG, JUnit, SQL, LaTeX

PROJECT & WORK EXPERIENCE:

Development Intern, ConnectPay Payroll Services, Asha Shrestha

June-August 2024

- Enhanced Selenium skills through hands-on development and execution of QA test cases.
- Developed and executed automated test cases using Selenium WebDriver within a DevOps pipeline.
- Ensured functionality and integrity of an updated web application.

Computer Science Research, Skidmore College, Dr. Aarathi Prasad

May-August 2023

- Completed 10 week-long collaborative research to learn about children’s understanding of their safety online.
- Acquired and applied advanced skills in React Native, HTML, and JavaScript to design and develop a social media application aimed at fostering safe online interactions and educating children about privacy.
- Delivered a poster presentation at the Skidmore summer faculty-student research symposium, showcasing a demo of the app and contributed to discussions on enhancing digital safety for children.

Computer Science Research, Skidmore College, Dr. Aarathi Prasad

September – December 2022

- Completed semester-long research to develop an understanding of opinions regarding genetic testing and pros and cons associated with the ability to manipulate the human genome.
- Read academic articles and conducted a literature review based on findings.

Computer Science Research Assistant, Skidmore College, Dr. Aarathi Prasad

March - May 2022

- Assisted in a semester-long research project focused on managing problematic smartphone use and presented findings at the Skidmore Academic Festival 2022.
- Conducted a pilot user study to evaluate effectiveness of our methods and summarized results using Python to generate graphs from CSV files.

LEADERSHIP & ATHLETICS:

Peer Academic Coach Captain, Skidmore College, Brenda Pashley

September 2022-present

- Participated in training classes to improve tutoring techniques.
- Mentored students to increase their independence and engagement of computer science concepts.
- Administered feedback to students using positive reinforcement techniques to encourage and foster confidence.

Women’s Basketball Team, Skidmore College, David Bostick

September 2021 - present

- Balanced 30 hours per week of training, practice, film study, and travel alongside a full course load.
- Led team to 2023 Liberty League Championship through strong leadership and work ethic.

Teaching Assistant, Skidmore College, Nelson Dellis

September 2022 – May 2023

- Facilitated collaborative learning for 25 peers in weekly 3-hour lab sessions in an Intro to Computer Science class.
- Provided hands-on assistance and guidance in Python.
- Demonstrated strong communication skills and promoted an engaging atmosphere where students felt comfortable seeking assistance.

HONORS & AWARDS:

Academic All-District Basketball Team, Skidmore College

February 2023 & 2024

- Recognized as one of the nation’s top student-athletes for combined performance on the court while maintaining a cumulative 3.50 GPA.