

# Cassandra “Cassie” Davidson

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## EDUCATION:

**Skidmore College**, Saratoga Springs, NY

Anticipated Graduation: May 2025

BA., Major 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

## COMPUTER SKILLS & RELEVANT COURSES:

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

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

## PROJECT & WORK EXPERIENCE:

**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.
- Learned React Native, HTML, and JavaScript to develop a social media app dedicated to help young children safely interact with peers while being educated about the importance of privacy.
- Presented a poster, including a demo of the app built, at the Skidmore summer faculty-student research symposium.

**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.
- Conducted a pilot user study to evaluate effectiveness of our methods and summarized results using Python to generate graphs from csv files.
- Presented a poster at the Skidmore Academic Festival 2022.

## LEADERSHIP & ATHLETICS:

**Peer Academic Coach Captain**, Skidmore College, Brenda Pashley

September 2022-present

- Participated in training classes to improve tutoring practices and learn new tutoring techniques.
- Worked with varying level of 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, Jessica Turner

September 2021 - present

- Committed 30 hours a week of training, practicing, watching film, and traveling to games while maintaining a full course load.
- Developed leadership skills and a strong work ethic to meet personal and team goals.
- Played a vital role in helping lead the team to win the Liberty League Championship 2023.

**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

- Awarded to the nation's top student-athletes for combined performance on the court while maintaining a cumulative 3.50 GPA.

**Schupf Scholar Program**

May 2023

- Awarded to female students in science fields where they are underrepresented and who will complete 10 weeks of summer research.