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 2024)
Cumulative GPA: 3.768, Major GPA: 3.953

COMPUTER SKILLS

Programming languages: Java(expert), Python(expert), Swift(proficient), C++(proficient), C(basic), React Native(basic), HTML(basic), JavaScript(basic), Perl(basic), MATLAB

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 design and build a social media app dedicated to young children where they can safely interact with peers while also being educated about the importance of privacy.
- Presented at 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 understand people's understanding and opinions on genetic testing as well as the possible beneficial and malicious uses of genetic testing.
- 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 people's problematic smartphone use.
- Conducted a pilot user study to evaluate effectiveness of our methods and summarized results using Python to create graphs from csv files.
- Presented a poster at the Skidmore Academic festival 2022.

LEADERSHIP & ATHLETICS:

Peer Academic Coach, Skidmore College, Brenda Pashley   Fall 2022-present
- Participated in training classes to improve tutoring practices and learn new tutoring techniques.
- Worked with a varying level of students to increase their understanding with computer science concepts.
- Administered feedback to students using positive reinforcement techniques to encourage and build 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, while providing hands-on assistance and guidance in python.
- Demonstrated strong communication skills, promoting and engaging atmosphere, where students felt comfortable seeking assistance.

HONORS & AWARDS:

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.

Academic All District Basketball Team, Skidmore College   February 2023
- Awarded to the nation's top student-athletes for combined performance on the court and in the classroom.