

# Cassandra Davidson

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## EDUCATION:

**Skidmore College**, Saratoga Springs, NY  
**B.A. in Computer Science**, Biology Minor  
Magna Cum Laude, Dean's List, Thoroughbred Society

September 2021- May 2025

## SKILLS:

*Programming languages:* Java, Python, C++, Swift, C, HTML, JavaScript, React Native

*Tools:* Git, SQL, Junit, Azure DevOps, Selenium WebDriver, TestNG, Visual Studio, Eclipse, Xcode, MariaDB, Tomcat, MySQL, Latex

## WORK EXPERIENCE & PROJECTS:

**Development Intern**, ConnectPay Payroll Services, Asha Shrestha

June-August 2024

- Developed regression test suite for web application
- Implemented dozens of automated regression tests using Selenium WebDriver within an Azure DevOps pipeline from scratch, ensuring functionality of updated web application.
- Collaborated with developers to identify and resolve software bugs, demonstrating strong communication and independent management of testing processes.

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

May-August 2023

- Completed 10 weeks of collaborative research on children's understanding of online safety.
- Designed and developed a social media application using React Native, HTML, and JavaScript to foster safe online interactions and educate 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 research on smartphone use behaviors and presented findings at Skidmore Academic Festival 2022.
- Conducted pilot user study to evaluate method effectiveness.
- Analyzed data (Python, Pandas, Matplotlib), generating summary graphs from CSV files.

## LEADERSHIP:

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

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

**Teaching Assistant**, Skidmore College, Nelson Dellis

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

**Women's Basketball Team**, Skidmore College, David Bostick

- Managed 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.

## HONORS & AWARDS:

**Academic All-District Basketball Team**, Skidmore College

February 2023, 2024, 2025

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