

Catherine Pereira

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| https://rinwah.github.io/portfolio_site/

Computer Science Undergraduate | Java, Python, Web Development

Motivated Computer Science undergraduate experienced with Java, Python, and web development. Strong problem-solving ability, fast learner, and effective collaborator. Seeking a Software Engineer internship to apply programming skills in real-world development environments.

Skills

- Java, Python, JavaScript
- HTML5/CSS3, responsive web development
- Object-oriented programming (OOP)
- Debugging & troubleshooting
- Git & GitHub version control
- Leadership & team collaboration

Education

Bachelor of Science in Computer Science

Virginia Commonwealth University, Richmond VA

GPA: 3.0

- Awarded merit-based scholarship for outstanding academic performance.
- Awarded volunteer-based scholarship from First Generation Student Organization.

Experience

Programming Instructor @CodeWizardsHQ

June 2024 - July 2025

- Developed interactive browser-based games using JavaScript, HTML, and CSS, teaching middle-school students core programming concepts, resulting in consistently high student engagement.
- Delivered structured lessons in Python and Java by breaking down complex ideas into accessible steps, improving student comprehension and project completion rates.
- Earned monthly Outstanding Instructor feedback by maintaining strong organization, clear communication, and student-centered teaching practices.

Projects

K-Pop Fan Website

<https://rinwah.github.io/kpop-site/>

June 2025 - Present

- Designed and deployed a responsive multi-page site using semantic HTML5, CSS, Flexbox, and mobile-first layouts, improving load time and readability across devices.
- Integrated artist bios, discographies, and galleries by structuring reusable components and clean file organization, simplifying future feature updates.

Coursework

Data Structures | Algorithms | Computer Systems | Discrete Structures | Computing & Data Ethics | Intro to Programming | Software Design Concepts

Clubs

Robotics Team

Captain and Member

September 2019 - June 2023

- Led a team of builders and programmers through the VEX V5 program, coordinating design and testing of competition robots.
- Engineered mechanisms to launch discs and blocks and stabilize on seesaws using iterative prototyping, advancing team performance to state-level competition in 2022.

Emerging Leadership Program

August 2023 - December 2023

- Collaborated with student leaders to improve campus awareness of dining and food options, expanding outreach to first-year students.
- Volunteered in leadership and community events, including a service activities with local organizations.

Computer Science Mentorship Program

September 2023 - December 2023

- Built a starter portfolio and set up Git/GitHub workflows, gaining foundational experience in version control and professional coding practices.

First Generation Student Organization

September 2023 - December 2024

- Engaged in workshops on academic success, career readiness, and identity development, strengthening confidence as a first-generation student in tech.