

# Jamie Figueroa-Weston

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## EDUCATION

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**Carnegie Mellon University, Heinz College of Information Systems-** Pittsburgh, PA  
Bachelor of Science in Information Systems

**May 2028**

## TECHNICAL SKILLS

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Java, Python, MySQL, Git, Unix, Javascript, Ruby on Rails, HTML, CSS, LaTeX, React

## RELEVANT COURSEWORK

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**Computer Science:** Fundamentals of Programming, Principles of Imperative Computation, Principles of Functional Programming

**Math:** Differential and Integral Calculus, Integration and Approximation, Calculus in Three Dimensions, Matrices and Linear Transformations, Concepts of Mathematics

## EMPLOYMENT EXPERIENCE

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**CANYON CREST ACADEMY** | San Diego, CA  
Head Tutor

**October 2023 - Present**

- Led the development of an online tutoring system aimed at expanding access to advanced mathematics education, including multivariable calculus and Linear Algebra, for high school students
- Design and implement weekly lesson plans, leading multiple, engaging online tutoring sessions for middle and high school students in advanced math and physics subjects

**SAN DIEGO ALZHEIMER'S ASSOCIATION** | San Diego, CA  
Tech Ambassador

**August 2022 - May 2023**

- Enhanced the organization's website by implementing accessibility improvements using CSS/HTML and JavaScript, including features such as adjustable text size, text-to-speech functionality, and voice-to-text search capabilities, improving user experience for diverse audiences
- Organized user surveys to gather feedback on website improvement needs and implemented a continuous feedback loop through regular three-week testing cycles

## PROJECTS

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**CMU CORA** | Pittsburgh, PA  
Educational Web Application

**September 2024 - Present**

- Developed app with a team to create an online hub that allows students at Carnegie Mellon University to access all campus resources and online tools using Node.js, React, and HTML/ CSS
- Built login and signup pages including user authentication and routing within the University System

**RUNNER** | Pittsburgh, PA  
Class Project

**November 2024 - December 2024**

- Independently designed and developed an interactive online game application in Python, simulating the human body's physiological response to sustained cardio exercise

## ACTIVITIES

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**ScottyLabs** | Pittsburgh, PA  
App Developer Committee

**September 2024 - Present**

- Work in committees to develop and create ideations for applications and services for the Carnegie Mellon campus community while maintaining and re-developing past projects
- Host workshops on campus for high school and undergraduate students on topics such as programming and resume development

**Girls Who Code** | Pittsburgh, PA  
Activity Board Member

**August 2024 - Present**

- Work in collaboration with local high schools to host workshops for girls and underrepresented communities in STEM to introduce programming languages such as Python, HTML, and CSS
- Create the lesson plans in teams for bi-weekly teaching sessions on educational classes for programming