

Stephanie Reed

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EDUCATION

Carnegie Mellon University

B.S. in Information Systems and Human-Computer Interaction (GPA: 3.96)

Expected May 2027

Pittsburgh, PA

Relevant Coursework: Software Engineering, Data Structures, Application Design and Development, Fundamentals of Programming and Computer Science, and Database Design and Development

TECHNICAL SKILLS

Front-End: HTML, CSS, JavaScript, TypeScript

Back-End: Python, Java, Ruby

Database: PostgreSQL, MongoDB, Firebase

Frameworks and Libraries: React Native, Rails, React, Flask

Tools: Git, AWS, Docker, VSCode, XCode, IntelliJ, Eclipse, Figma

EXPERIENCE

Software Development Intern

June 2025 – August 2025

CBites

Remote

- Developed a new **React Native map feature** released for the CBites App to visualize partner location data
- Implemented changes to Firebase API routes and CI workflow, resolving issues with reported user locations in the database
- Adjusted custom API routes to accommodate new food items at over 1000 restaurant locations in the US

Teaching Assistant: Application Design and Development

January 2026 – Present

Carnegie Mellon University

Pittsburgh, PA

- Ran weekly lab sessions teaching students to develop Rails apps with **React, MVC, and RESTful APIs**
- Assessed and provide feedback on assignments, application projects, and exams for a 150+ student course

Webmaster

May 2025 – Present

Carnegie Mellon University C Sharp

Pittsburgh, PA

- Deployed frequent updates and maintenance for the organization CMU C Sharp's website
- Maintained **PostgreSQL server and AWS storage** of student information for over 250 organization members
- Diagnosed and resolved system failures serving 90+ student applicants in the organization's auditions process

PROJECTS

Find a Cosplay: Deployed Costume Resource Management System

- Developed and deployed a Ruby on Rails app for users to search, save, and review cosplay items based on related characters and media
- Implemented **AWS S3 and PostgreSQL** to store and retrieve uploaded images for items and characters

CRUD App: Order Processing System

- Developed a Ruby on Rails order processing system to retain customer, product, and order information in a SQLite database for a semester-long course project
- Implemented a credit card verification algorithm to check user information before processing orders
- Developed a **RESTful API** to provide more detailed queries for customer, product, and order information

Hackathon Project: Campus Nutrition Tracking System

- Developed a web app for CMU students to track nutritional health by recording necessary vitamins and potential allergens in campus food with CMU Dining data and an ML barcode scanner
- Developed a relational database with Firebase and JavaScript used to track college student nutrition with Carnegie Mellon University campus data