

CHRISTOPHER WEST

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🔗 [CPW9783](https://github.com/CPW9783)

🌐 cpw9783.github.io

Education

Rochester Institute of Technology

Bachelor of Science in Software Engineering | GPA:3.6

Aug 2022 – May 2027

Rochester, NY

Experience

Ridgeline International, LLC

Software Engineer Intern

Jun 2024 – Dec 2024

Tysons, VA

- Contributed to the development of the company's software suite, implementing multiple new features and enhancements on both the frontend using Angular and the backend using Java and Spring
- Collaborated closely with a small team of full-time engineers, utilizing GitLab for version control and Jira for task management and sprint planning within a SAFe Agile framework
- Regularly participated in stand-up meetings, providing progress updates to the product manager and development team
- Worked with my team to increase API code coverage by 15% through unit testing using JUnit

Projects

Fuzzer | Python, Mechanical Soup

February 2025

- Developed a customizable web application fuzzer to detect vulnerabilities by scanning and interacting with exposed attack surfaces
- Utilized Python and MechanicalSoup to automate HTTP requests, parse HTML, and simulate user interactions such as form submissions and link navigation
- Tested the fuzzer against Damn Vulnerable Web Application (DVWA), ensuring compatibility with both local and CI-based environments

Teach Me | React, Express, Node.js, MySQL

November 2024

- Collaborated in a team to develop a mentorship platform aimed at connecting ALANA students with academic mentors
- Designed and implemented a full-stack web application using React for the frontend and Express for the backend
- Integrated a MySQL database to store and manage mentorship requests, enabling mentees to easily connect with available mentors

Imprint | Python, Pygame

April 2024

- Developed a video game for the Quackbox using Python and the Pygame library, featuring gameplay mechanics inspired by Snake, where a mother duck collects bread to spawn ducklings
- Implemented high score tracking by reading and writing to a JSON file for persistent storage
- Imprint was presented at Imagine RIT, where over 100 people were exposed to and played the game

Comix | Java, JavaFX

February 2024

- With a team, designed and implemented a comic app to track a comic book collection
- Used UML diagrams, sequence diagrams, and design patterns such as Strategy and Composite to model the application
- Responsible for implementing the Comix API, used for inter-subsystem communication using Java and controlling the GUI for it using JavaFX

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, TypeScript, SQL

Technologies/Frameworks: PostgreSQL, MySQL, Angular, Flask, React, Express, Spring, Gradle, Maven, Git, Docker, GitHub Actions, GitLab CI/CD, Linux

Leadership / Extracurricular

Computing Organization for Multicultural Students (COMS)

August 2024 – Present

President, Tech Projects Chair

Rochester Institute of Technology (RIT)

- Lead and represent an organization focused on empowering underrepresented students in computing through community engagement and professional development
- Organize and lead technical initiatives, workshops, and events to build skills and foster collaboration within the organization
- Spearheaded initiatives that enhanced member engagement, resulting in a 162% increase in committee attendance