Amanda Ruan

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EDUCATION

Rensselaer Polytechnic Institute (RPI)   Troy, NY
Bachelor of Science in Computer Science | GPA 3.50   Aug 2022 – May 2025
Accepted in the ACCEL program and on track to obtain a B.S. in three years
Relevant Coursework: **Rensselaer Center for Open Source (RCOS)**, Introduction to Algorithms, Data Structures

EXPERIENCE

Software Engineering Intern | Patina Network   June 2024 – Present
- Collaborated in a team to create the Patina Network website with TypeScript and React based on Figma prototypes
- Led a CI/CD project to automate testing through Github Actions using shell scripting and Gerrit's REST API
- Resulted in an increase from less than 5 tests a day to nearly 50 tests completed daily, leading to an overall improvement in code quality and functionality

PROJECTS

VZCode | RCOS   Sep 2023 – Dec 2023
- Worked in a team of 8 to improve a multiplayer code editing platform that supports real-time collaboration
- Enhanced user experience with the presence of remote users, including showing remote selections and notifications for when collaborators join or leave a session, using React and NodeJS
- Presented the beta version of VZCode to approximately 650 potential users, with real-life users using the product through its integration with VizHub 3

Yet Another Course Scheduler (YACS) | RCOS   May 2023 – Aug 2023
- Worked with a team of 10 to improve a web application to assist students with visualizing course selection
- Built features on the front-end, including a time toggle and sorting options, using Vue.js
- Pushed changes to a codebase used by a university with approximately 6,000 undergraduate students

LEADERSHIP AND ACTIVITIES

Junior Director of Marketing | HackRPI Organizing Team   July 2023 – Present
- Increased the number of hackathon participants by 250% – from 200 attendees in 2022 to 500 in 2023
- Assist the director in overseeing the Marketing and UX Design teams
- Plan and execute external marketing campaigns by engaging with universities
- Design registration posters to advertise the upcoming event and club

SKILLS

Programming Languages Java (intermediate), C++ (intermediate), TypeScript (beginner), HTML (beginner), CSS (beginner), JavaScript (beginner), Vue.js (beginner), Python (beginner), C (beginner)
Libraries & Frameworks React, Mantine, Node.js
Software Development Tools Github, Gerrit, Visual Studio Code, IntelliJ, Sublime Merge, Linear, Microsoft Azure, Figma, Bash
Spoken Languages English, Mandarin, Cantonese