

ZOE RIZZO

(973) 479-9892 | rizzo.zoej@gmail.com | zoerizzo.me

EDUCATION

Rochester Institute of Technology Rochester, NY
Bachelor of Science in Software Engineering May 2027
Relevant Courses: Software Process and Project Management, GPA: 3.0/4.0
System Reqs and Architecture, Engineering Secure Software

WORK EXPERIENCE

SWEN-444 Human Centered Reqs and Design Teaching Assistant Aug 2025 – Present

- Reinforce class material and guide students through office hours and review sessions
- Provide constructive feedback on weekly project deliverables to students in a timely manner

Software Engineer Intern | New Jersey Innovation Institute COMET June 2024 – Dec 2024
Software Lead | Project W.A.R.D.E.N. Landing, NJ

- Led the software team to create control and communication code for an aerial drone and ground rover
- Implemented LAN network communications, using the aerial drone as a network extender
- Used NVIDIA Jetson Nano to implement live object detection using PlantNet-300K with OpenCV

Innerstill Mobile App

- Worked closely with a client to improve existing Flutter app by creating a robust design document
- Developed a script to automate administrative tasks and generate user-specific app activation codes
- Resolved critical issues by updating deprecated libraries and refactoring legacy code to ensure full functionality and seamless user interactions

PROJECTS

Photo Gallery Personal Project, June 2025 – Present

- Created using Next.js to display photos, including features such as camera settings and magnifying
- Automated getting new image metadata and camera settings and populating an existing JSON

DrDebug Trends in Software Development, Jan 2025 – Mar 2025

- Developed a native VSCode extension that uses OpenAI to suggest fixes and assist with debugging
- Implemented follow-up command to re-attempt a faulty fix or check to see if the issue was resolved

ORGANIZATIONS

Executive Board Member | RIT VEX U Robotics Aug 2022 – Present

- Led competition debriefs and planning meetings, acted as project manager to keep track of deadlines and facilitate open communication among sub-teams
- Established comprehensive documentation standards to preserve both technical and administrative knowledge, ensuring long-term team sustainability

FIRST Robotics Mentor Sep 2022 – Present

- Teach high school students good programming practices, design process, and proper documentation

SKILLS

Technologies: Python, Java, HTML, CSS, C, JavaScript, REST, Bootstrap, Next.js, PostgreSQL, Raspberry Pi, Linux, Windows, Git, OpenCV, SonarQube
Methodologies: Agile, Scrum, OpenUP, Rapid Development