

NATHAN STROBL

Third-year software engineering student seeking internships/co-op opportunities starting August 2024; experience with a variety of technologies including Python, JavaScript, Linux, SQL, Java, and C/C++.

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EDUCATION

Rochester Institute of Technology

Bachelor of Science in Software Engineering

expected graduation Spring 2027

Rochester, NY

TECHNICAL SKILLS

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

Operating Systems: macOS, Linux, Microsoft Windows

Developer Tools: Visual Studio Code, IntelliJ IDEA, Vim, Git, Shell Scripting, CI/CD, Maven, JUnit, Pytest

Technologies/Frameworks: Docker, Caddy, NPM, ReactJS, Angular, Flask, HTTP, REST APIs, PostgreSQL, Spring Boot

WORK EXPERIENCE

Rochester Institute of Technology

January 2023 – Present

Auxiliary Services Technician (Tier II Student Employee)

Rochester, NY

- Providing comprehensive technical support to the Dining division of RIT, focusing mainly on addressing issues with POS equipment and deploying new computer setups.
- Resolving issues through the ServiceNow ticketing system; successfully completed over 900 tickets.
- Collaborating with coworkers on university-wide data management projects.
- Mentoring and assigning work to over five new student employees.
- Developing and maintaining internal tools to optimize the workflows of Auxiliary Services staff.

Oakley Industries

January 2022 – May 2022

Co-op Employee

Clinton Township, MI

- Participated in a co-op program at this organization while finishing senior year of high school.
- Gained hands-on experience with various manufacturing techniques, including CNC machining and metalworking.
- Undertook various support duties including cleaning, organization, and project assistance, allowing full-time staff to prioritize higher-value tasks.

Cloverleaf Pizza

October 2021 – August 2022

Manager

Sterling Heights, MI

- Prepared the store for opening and closing.
- Worked with customers to resolve any issues they may have had with our products.
- Provided leadership and ensured smooth operations throughout the day.
- Trained and delegated tasks to four new employees.

PERSONAL PROJECTS

RIT Auxiliary Services Portal | JavaScript, ReactJS, Python, Flask, Linux, Docker, Caddy

January 2024

- Built an online web portal to centralize a suite of internal tools made by RIT Auxiliary Services student staff.
- Reverse-engineered REST APIs to integrate other services into our applications.
- Configured a server to host this web application using Alpine Linux, Docker, and Caddy.
- Employed Flask for server-side communication with APIs and data processing.
- Collaborated with two fellow student employees to design and build this application.
- Improved the workflows of Auxiliary Services staff by automating repetitive tasks and streamlining complex processes.

CartCockpit | C/C++, Arduino

August 2023

- Created an Arduino sketch that can transform an Arduino board and some additional components into a dashboard for golf carts, closely resembling those found in automobiles.
- Designed a user-friendly interface that utilizes custom fonts and glyphs, optimized for visibility even at far distances.
- Strengthened proficiency in low-level programming through this project.

GlyphMaker | Java, JavaFX

April 2023

- Developed a small JavaFX application to expedite the creation of custom glyphs for Arduino projects.
- Gained experience with designing and implementing desktop applications and GUIs.

EXTRACURRICULAR

RIT Linux Users Group (RITlug)

August 2023 – Present

Member

Rochester Institute of Technology

- Attending meetings that focus on discussing and exploring various Unix-like operating systems, networking technologies, Linux software, and more.
- Connecting and collaborating on Linux-related projects with fellow RITlug members.