Nathan Strobl

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Education

Rochester Institute of Technology	**August 2022 - May 2027**
Bachelor of Science in Software Engineering	*Rochester, NY*

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 workflows and increase the efficiency of myself and my coworkers.

Oakley Industries   **January 2022 – May 2022**
Co-op Employee   *Clinton Township, MI*
- Participated in a co-op program with my high school at this organization.
- Gained hands-on experience with various manufacturing techniques, including CNC machining and metalworking.
- Supported full-time employees by performing various 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.

Projects

RIT Auxiliary Services Portal | *JavaScript, ReactJS, Python, Flask, Linux, Docker, Caddy*   **January 2024**
- Built an online web portal using React to centralize a suite of internal tools made by myself and other student employees.
- Reverse-engineered REST APIs to integrate other services into our applications.
- 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 my coworkers and I by automating repetitive tasks and streamlining complex processes.

CartCockpit | *C/C++, Arduino*   **August 2023**
- Strengthened proficiency in C/C++, Arduino, and low-level programming through this project.
- 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 excellent visibility even at far distances.

GlyphMaker | *Java, JavaFX*   **April 2023**
- Developed a small JavaFX application to expedite the creation of custom glyphs for my other Arduino projects.
- Gained experience with designing and implementing desktop applications and GUIs.

Technical Skills

Languages: Python, JavaScript/TypeScript, SQL, Java, C/C++
Operating Systems: macOS, Linux, Microsoft Windows
Developer Tools: Visual Studio Code, IntelliJ IDEA, Vim, Git
Technologies/Frameworks: Docker, Caddy, ReactJS, Svelte/SvelteKit, Angular, Flask, REST APIs, PostgreSQL, Spring Boot

Extracurricular

RIT Linux Users Group (RITlug)   **August 2023 – Present**
Member   *Rochester Institute of Technology*