

NATHAN STROBL

Third-year Software Engineering student seeking internships/co-op opportunities starting May 2025; experience with a variety of technologies and languages, with a strong passion for full-stack web development and embedded programming.

📞 586-588-1921 ✉️ nas4635@rit.edu 🌐 linkedin.com/in/NathanStrobl 🐙 github.com/NathanStrobl 🌐 nathan-strobl.org

EDUCATION

Rochester Institute of Technology

Bachelor of Science in Software Engineering, Minor in Cybersecurity

Immersion in the Science of Film, Photography, and Imaging

expected graduation Spring 2027

Rochester, NY

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, C, C++, Go, Python, SQL, Java, Bash Shell

Operating Systems: macOS, Linux, Microsoft Windows

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

Technologies/Frameworks: Docker, Caddy, Node, ExpressJS, ReactJS, Angular, Gin, HTTP, PostgreSQL, MongoDB

PERSONAL PROJECTS

GlyphMaker | SvelteKit, TypeScript, Go, Gin, PostgreSQL

January 2025

- Developed a Svelte-based web application to expedite the creation of custom 8-bit bitmaps and glyphs, mainly for use with embedded projects utilizing Adafruit GFX-compatible displays.
- Implemented a custom REST API using Go, Gin, and PostgreSQL to allow users to store their data and share glyphs between each other.
- Gained experience with full-stack web development.

Personal Web Server | Linux, Caddy, Docker

January 2025

- Configured a web server using Alpine Linux and Caddy, utilizing Docker to containerize various software modules.
- Implemented Immich for automatic photo backups from mobile devices.
- Set up a media server to organize and store files from DVD and Blu-ray discs.
- Manage hosting for multiple websites, including a personal portfolio and the GlyphMaker API and application.

RIT Auxiliary Services Portal | JavaScript, ReactJS, Python, Flask

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.
- 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.

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 1,400 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 repetitive tasks.

EXTRACURRICULAR

RIT Linux Users Group (RITlug)

August 2023 – Present

Core 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.
- Giving presentations centered around the use of Unix in Apple's macOS.