

Freya Murphy

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Objective

Seeking a full time co-op / internship for the spring or fall semester of the 2025 calendar year (Jan - May or Aug - Dec 2025).

Education

RIT (Rochester Institute of Technology)

B.S. IN COMPUTER SCIENCE, GPA 3.51

Rochester, NY

Aug. 2022 - May. 2026

Skills

Languages Rust, C, C++, PHP, Java, JavaScript, Python, Bash, HTML, CSS, Lua, SQL
Dev Tools Git, Linux, FreeBSD, Vim, Docker, WireGuard, Bird, Nginx, Caddy
APIs OpenGL, WebGL, Vulkan, OpenAL, GLFW, PAM

Work Experience

REDCOM Laboratories

SOFTWARE ENGINEERING CO-OP

Victor, NY

Jan. 2024 - Present

- Build modular communication technologies with both PHP/JQuery, and Vue.js.
- Managed base FreeBSD system for the application.

RIT Auxiliary Services

LEVEL 1 TECHNICIAN

Rochester, NY

Sep. 2023 - Dec. 2023

- Manage RIT dining equipment and infrastructure.
- Solve ticket requests and incidents. Repair or help staff on-site.

theCodingSchool

CODE COACH

Buffalo, NY

Aug. 2022 - Sep. 2023

- Helped teach students concepts, and the aspects of programming.
- Ran coding camps, and held private lessons for students.

Synacor Technologies

DATA ANALYST INTERN

Buffalo, NY

Jul. 2021 - Aug. 2021

- Developed twitter application to aggregate information and reception about CloudID product.
- Worked on CloudID technology. Worked on full stack website to add more analytics.

Projects

XSSBook

FULL STACK SOCIAL MEDIA SITE

<https://xssbook.com>

Jan. 2023 - Present

- Created full stack facebook clone. Implemented backend in Rust, frontend in HTML/CSS/Frameworkless JS.
- Store and query user data using SQL. Communicate through REST API.

Freyanet

INTRANET MANAGER

<https://g.freya.cat/freya/freyanet>

Nov. 2023 - Present

- Created intranet manager in bash scripts that operates a network over wireguard tunnels.
- Used wireguard, bird, ospf, and iptables to route internal traffic and assign IPs.

Wrapper

DNS SERVER

<https://g.freya.cat/freya/wrapper>

Mar. 2023 - Apr. 2023

- Created DNS server in C aligned with RFC specification.
- Added custom extensions to be used with custom DNS client called wig.

Extracurricular Activity

RITlug (RIT Linux Users Group)

CORE MEMBER & VICE PRESIDENT 2023 - PRESENT

Rochester, NY

Sep. 2022 - Present

- Learned about new tech and ideas in FOSS.
- Hold presentations, talks, hackathons, and other events.
- Establish a community to experience and help others with Linux.

Scouts BSA

MEMBER & ASSISTANT SENIOR PATROL LEADER DURING 2021 - 2022

Buffalo, NY

Sep. 2015 - Jun. 2022

- Executed and planned meetings for the troop. Helped delegate other leadership roles in the troop.
- Helped plan and schedule camp outings, and purchase equipment and food for the outings.