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Rochester, New York

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Blizzard Finnegan

Computer Engineering Technology Student

GitHub: BlizzardFinnegan

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Seeking co-op in firmware and software development. Available Jan. - June 2023

SKILLS

Tools and Languages	Java, VHDL, C/C++, ZSH/BASH
Software	L ^A T _E X, git, Docker, Wireguard, Linux (primarily Debian), Microsoft Excel
Hardware	Cisco routers, M1 Mac, Dell systems, custom desktops

PROJECTS

Freelance Server Management

Aug. 2022 - Current

Management of an array of services, including public presence and documentation

- Ensures integration into pre-existing workflows with minimal disruption or downtime
- Management of Docker containers, Samba fileshare, hardware and software RAID arrays, and network stack
- Budget and acquire new hardware according to needs
- Implements user-friendly, intuitive tools with minimal learning curves

Personal Network

June 2022 — Current

Maintain personal cloud infrastructure, on personal devices

- Self-hosted reverse proxy, email, and DNS instances
- Built using custom desktop running Debian
- Admin access provided via a Wireguard tunnel

Advent of Code 2021

Dec. 2021 - Current

Series of coding challenges hosted online; written in both C++ and Java

- Manual implementation of Dijkstra's algorithm
- Plaintext file parsing
- Extensive Stack, Queue, and ArrayList Use

Binary Search Tree

Feb. 2022

Implement a Binary Search Tree in Java

- Built based off of a given UML diagram
- Includes `infixTraversal()`, `binarySearch()`
- Easily sortable using `Collections.sort()`

EDUCATION

Rochester Institute of Technology

Aug. 2018 - Aug. 2024

B.S. in Computer Engineering Technology; GPA = 3.37/4.00

WORK EXPERIENCE

Assistant Systems Administrator

June 2022 - Dec. 2022

RIT / Information Technology Services

Henrietta, NY

- Assisted in management, installation, and maintenance of new managed computers
- Regularly interfaced with Microsoft ActiveDirectory and SCCM
- Assisted staff and students with basic IT needs

Laboratory Technician (Summer Positon)

June 2017 — Aug. 2018

MACOM Technology Solutions

Horseheads, NY

- Operated scanning laser microscope measurement system to assess failures and improve yield
- Compiled acquired data, and generated visualizations using Excel for ease of understanding
- Established and assisted in writing standard operating procedure for the scanning laser microscope