Blizzard Finnegan

Computer Engineering Technology Student

(607) 738-5933
Rochester, New York
BlizzardFinnegan@gmail.com

GitHub: BlizzardFinnegan
LinkedIn: BlizzardFinnegan

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

SKILLS

Tools and Languages	Java, VHDL, C/C++, ZSH/BASH
Software	LaTeX, `git`, Docker, Wireguard, Linux (primarily Debian), Microsoft Excel
Hardware	Cisco routers, M1 Mac, Dell systems, custom desktops

PROJECTS

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()`

ArchLinux Ease-Of-Use Scripts — April 2020 — Spring 2021
ZSH/BASH scripts built to improve stability of ArchLinux

- Automated installation of ArchLinux
- Restricted update windows for greater stability
- Streamlined git repo updates

Personal Network — June 2022 — Current
Maintain personal cl,oud 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

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