BLIZZARD FINNEGAN

BlizzardFinnegan@gmail.com

LinkedIn.com/in/BlizzardFinnegan ⋄ GitHub.com/BlizzardFinnegan   +1(607)738-5933 ⋄ Rochester, NY

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

SKILLS

Languages	VHDL, C/C++, Java, ZSH/BASH
Software	LaTeX, Git, MATLAB, Linux, ModelSim, MultiSim, Altera Quartus, Microsoft Excel
Hardware	Soldering iron, Oscilloscope, Digital multimeter, FPGAs, Signal/function generator, Arduino

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

Advent of Code 2021   Dec. 2021 - Current

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

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

Binary Search Tree   February 2022

Implement a Binary Search Tree, built in Java

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

Encryption Key Generator   March 2020

VHDL design to create and transmit an encryption key, given an 8-bit value

- Using Altera Cyclone V FPGA
- Extensive use of Quartus and Modelsim

EDUCATION

Rochester Institute of Technology   Aug. 2018 - June 2025

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

WORK EXPERIENCE

Assistant Systems Administrator - RIT, Information & Technology Services   June 2022 - Dec. 2022

Henrietta, NY

- Maintained and repaired a wide range client devices
- Regularly interfaced with customers for identifying and resolving issues
- Maintain compatibility and security updates across several platforms

Laboratory Technician - MACOM Technology Solutions   June 2017 - Aug. 2018

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