

BLIZZARD FINNEGAN

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Seeking co-op in firmware and software development. Available May - Dec. 2024

SKILLS

Languages	Rust, C/C++, Java, VHDL, BASH/ZSH/FISH
Software	Git, Linux, L ^A T _E X, ModelSim, MultiSim, Altera Quartus, MATLAB, Microsoft Excel
Hardware	Soldering iron, Oscilloscope, Digital multimeter, FPGAs, Signal/function generator

PROJECTS

Freelance Server Management Aug. 2022 - Current
Management of an array of services, including public presence and documentation

- Ensure 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
- Implement user-friendly, intuitive tools with minimal learning curves

Advent of Code 2021 Dec. 2021
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
i B.S. in Computer Engineering Technology; GPA = 3.37/4.00

WORK EXPERIENCE

Research and Development Intern - Baxter International Jan. 2023 - Aug. 2023
Auburn, NY

- Overhauled multiple automated test fixture software for ease of use
- Provided general assistance with the use of embedded Linux systems
- Began the process of porting proprietary communication protocol to Linux

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