

BLIZZARD FINNEGAN

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+1(607)738-5933 ◇ Rochester, NY

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

SKILLS

Languages | VHDL, C/C++, Java, ZSH/BASH

Software | L^AT_EX, Git, MATLAB, Linux, ModelSim, MultiSim, Altera Quartus, Microsoft Excel

Hardware | Soldering iron, Oscilloscope, Digital multimeter, FPGAs, Signal/function generator, Arduino

PROJECTS

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()`

Arch Linux Livability Scripts

April 2020 - Spring 2021

ZSH/BASH scripts built to improve stability of Arch Linux

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

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
- Implemented feedback from fellow students

EDUCATION

Rochester Institute of Technology

Aug. 2018 - Aug. 2024

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

WORK EXPERIENCE

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

Student Worker - Salsarita's Mexican Grill

Sept. 2020 - Jan. 2021, Sept. 2021 - Current

Henrietta, NY

- Maintained safe work environment for staff and customers
- Regularly interfaced with customers for all parts of the order-handling process
- Managed inventory according to First In, First Out procedures