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 May - Dec. 2022

EDUCATION

Rochester Institute of Technology Aug. 2018 - Aug. 2024
B.S. in Computer Engineering Technology; GPA = 3.37/4.00

SKILLS

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

PROJECTS

Manual Stack Implementation February 2022
Create a custom Stack implementation

- Built in Java
- Built based off of a given UML diagram
- Includes iterability

Arch Linux Livability Scripts April 2020 - Spring 2021
ZSH/BASH scripts built to improve stability of Arch Linux

- Update Restriction Script
- Arch Linux Install Automation Script
- Git Update Automation Script

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

Gesture-Controlled Motor System May 2019
C designed program to control a motor, given a gyroscopic input

- Using ATMEL328 Arduino platform
- Extensive use of `I2C` protocol

WORK EXPERIENCE

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

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

Student Worker - Salsarita's Mexican Grill Sept. 2020 - Jan. 2021, Sept. 2021 - Current

- Followed all standard operating procedures for food service
- Regularly interfaced with customers for all parts of the order-handling process
- Managed inventory according to First In, First Out procedures