

JARED MOULTON

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WORK EXPERIENCE

Fox Pest Control

Commissiion Sales Associate

📅 Summer 2021

📍 Albany, New York

- Brought in over \$43,000 of sales revenue in 3 months
- Learned the door to door sales process and gained extreme persistence by working 50 selling hours per week plus many more in training

USU Campus Store

Mac Repair Technician and Store IT

📅 May 2020 - May 2021

📍 Logan, Utah

- Became certified to repair all Apple Mac computers in just 3 weeks
- Trained a new repair technician to become certified in all repairs and diagnostics
- Was heavily involved in store IT. Responsibilities included: onboarding new employees to the university Windows server database system, POS register support, networking and general issues

Religious Organization

Full Time Spanish Speaking Volunteer

📅 August 2018 - April 2021

📍 Cochabamba, Bolivia

- Quickly became fluent in the spanish language (12 weeks) and spoke only Spanish for 19 months
- Led groups of 9-12 other service volunteers, coordinating work efforts, managing safety and providing training

PROGRAMMING LANGUAGES

- Rust, Python, Bash, C++
- System Verilog, Java, C

SOFT SKILLS

- Dedication. I work over the task until I've found a solution. E.g. I once spent 11 hours fiddling with an older TV's settings and running software updates until I got optical audio to finally work.
- Hard work. I enjoy what I do. I worked 50 hours a week knocking doors and talking to strangers because that is what it took to be successful.
- Positivity. I like being positive and kind to those around me.

EDUCATION

Utah State University

Electrical and Computer Engineering

📅 August 2020 - Current

Uintah High School

📅 2014 - 2018

PROJECTS

Multithreaded Mandelbrot Generator

- A Mandelbrot image generator written in rust that splits the image's rows to be processed by multiple threads. The final output format is a bpm where the image header information is written as a stream of raw bytes followed by the image data.

Aggietime Clock API

- A Rocket web app written in rust that acts as a man in the middle to re-expose the USU Aggietime API in an accessible way. This app parses tokens from the HTML responses of Aggietime and then forwards along a proper request with the credentials from the end user.

Sudoku Solver

- A Sudoku Solver written in C++ that generates a valid (although not necessarily solvable) Sodoku puzzle and uses a backtracing algorithm to solve it.

BFS Maze Solver

- A maze solver written in C++ that uses a Breadth First Search to find the shortest path from the start to the finish of a puzzle created as an array of arrays filled with ones and zeros. Problem from Google Foo Bar Challenge.

Sorting Algorithm Analysis

- Implementations and analysis of several sorting algorithms. The time to run each algorithm was saved to csv files and analysis was done with numpy in Jupyter notebooks.

Dense Neural Network from Scratch

- A dense, fully connected neural network made to recognize hanwritten digits from the MNIST dataset written from scratch in numpy.

Github Profile

