

Marcus Ellison

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EDUCATION

BS Computer Science

University of North Texas, Denton, TX 3.5

Aug2020 - May2024

WORK EXPERIENCE

Data Communications Technician

University of North Texas System, Denton, TX

Oct 2020 - Present

- Troubleshooted and handled data drops for entirety of 32,126 student body and staff.
- Trained and guided several new employees on the job
- Performed regular maintenance of equipment for on-campus faculty.
- Completed logs and job reports for completed and pending service calls at shift end.

Web Developer

Stellar Executive Group, Inc., Belton, TX

May 2019 - May 2020

- Designed and maintained the front & back end for the website
- Updated and made changes throughout the year that the client wanted
- Optimized the website for maximum responsiveness and ease of use

PROJECTS

AirportDash C++, Bash, Excel

<https://github.com/markie-dev/AirportDash>

Data Structures project that uses C++ to store and read in employee data. This system acts as a database and allows the user to load in multiple tables of data, run basic queries on the data, and then store the data off for later use. Uses hashmaps as to make sure all the data is read in properly.

AirportSim C++, Bash

<https://github.com/markie-dev/AirportSim>

Data Structures project that uses C++ to simulate the growth of an airport over time. Very useful to see how pollution impacts the overall development of an airport.

keyFinder Python, Bash, WSL2

<https://github.com/markie-dev/keyFinder>

A personal python project that downloads and finds the key to any song on YouTube. Uses the Essentia Open-source library to find the correct pitch/key.

SKILLS

Tools
OS

C++, HTML/CSS/JavaScript, Git, Apache, SSH/SFTP, Bash, Python, FTP, WSL/WSL2, AWS
Win7/Win10/Win11, Linux (Arch/Ubuntu/Raspbian), MacOS 10.10-12.1

AWARDS

Eagle Scholarship Aug 2020

Earned a \$4000/yr scholarship based on academic success

University of North Texas

President of CyberPatriot Sep 2019

Voted as the President of the CyberPatriot club at the Killeen Career Center

Air Force Association

Microsoft Technology Associate Mar 2020

98-367: Security Fundamentals, 98-368: Mobility and Device Fundamentals, 98-349: Windows Operating System Fundamentals

Microsoft