Marcus Ellison

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EDUCATION

B.S. Computer Science
University of North Texas, Denton TX

May 2025

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.
- Created scripts to increase productivity when changing VLANs.
- Manually updated network switches to prepare for a campus-wide Juniper upgrade.

Web Developer
Stellar Executive Group, Inc., Belton, TX

May 2019 - 2020

- Designed and maintained the front & back end for the real estate website.
- Updated listings throughout the year when required by the client.
- Optimized the website for responsiveness by minimizing .js and media loading times.

PROJECTS

Survive the Night *C++, C, Visual Studio*   https://github.com/markie-dev/survivethenight
A top-down zombie survival game made in C++ using the LARC engine. Designed and implemented sprites, physics, and animations during the course of the semester.

Doctor Finder *React, Next.js, Typescript, Tailwind*   https://capstone2024-five.vercel.app
A website that allows users to find doctors in their area. Features include appointment scheduling, doctor reviews, patient symptoms, filtering, and more. Developed for my senior design project with three other group members.

harmony *React Native, Typescript, PostgreSQL*   https://testflight.apple.com/join/6haub8wx
An iOS app that tracks your listening history and displays it in a minimalistic feed with color extraction and animations for each song. Uses background modes and APNs to seamlessly track listening history. Also allows users to add their friends in order to have a combined social feed for everyone.

ADDITIONAL

Technical Skills:

C++, C, React / Next.js, HTML / CSS / JavaScript / TypeScript, Python, PostgreSQL, ARM v7-A Assembly, SwiftUI/Swift, Git, Nginx, Shell, Figma, Visual Studio / VS Code, Networking, OSI Layers, Machine Learning Algorithms, Audio Processing, Linux

Certifications & Training:

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