# Marcus Ellison

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## EDUCATION

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

Expected 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.

**nightcore.me** *HTML/CSS/JavaScript, Python, Figma*  https://nightcore.me
Personal project/website created to easily speed and pitch up any audio file. Created storyboards in Figma and coded in Python using Flask. Hosted with Nginx on an Ubuntu VPS from Vultr.

**desc_race_A15** *C, SwiftUI, Xcode*  https://github.com/markie-dev/desc_race_A15
An iOS app made to exploit CVE-2021-30955 on iOS 15.1.1. Used a previously released proof of concept and adapted offsets to increase compatibility with more devices. Designed a quick and lightweight front-end with SwiftUI.

## ADDITIONAL

**Technical Skills:**
C++, C, HTML / CSS / JavaScript, Python, PostgreSQL, ARM v7-A, SwiftUI, 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