Marcus Ellison

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EDUCATION

UNIVERSITY OF NORTH TEXAS — Denton, TX
Bachelor of Science — Aug 2020 – May 2025
Major in Computer Science
Major GPA: 3.5/4.0; Cumulative GPA: 3.1/4.0
Relevant Coursework: Software Engineering; Operating Systems; Algorithms; Data Structures; Machine Learning

WORK EXPERIENCE

WARP 10 AI — Remote
Frontend Software Engineer — Jan 2026 – Present
- Built and shipped frontend features in a Vue.js production application, including drag-and-drop project reordering and a 24-filter system (multi-select, text, date) with supporting FastAPI Python endpoints
- Delivered a major performance optimization to a high-traffic list-page, reducing load times by 65% for large datasets
- Created a Chrome extension that highlights recognized pharmaceutical drugs and companies, now used by teams inside large pharmaceutical organizations (e.g. Johnson & Johnson)
- Worked in an agile team with daily standups and weekly sprint planning/reviews; led demos for investors and stakeholders

WARP 10 AI — Remote
Frontend Software Engineer Intern — Jun 2025 – Dec 2025
- Architected a modern React application with TypeScript, Tailwind CSS, and a scalable Convex backend, implementing real-time data synchronization and integrating with 6 major music and social media platforms
- Developed and integrated AI-powered features including a conversational assistant and personalized recommendations using OpenAI's API, alongside extensive data visualization dashboards with 20+ interactive charts for critical performance tracking

UNIVERSITY OF NORTH TEXAS SYSTEM — Denton, TX
Data Communications Technician — Oct 2020 – Jun 2025
- Managed and resolved 20+ weekly network and IT support tickets via ServiceNow, ensuring critical connectivity for over 32,000 university students and staff
- Executed end-to-end network infrastructure deployment, including installation, configuration, and upgrading of switches, UPS units, and developed automation scripts for VLAN changes
- Mentored and trained new technicians, while performing advanced diagnostics to remediate complex data communication issues across campus

PROJECTS

DOCTOR FINDER — Apr 2025
- Developed a full-stack Doctor Finder web application using Next.js (React), TypeScript, and TailwindCSS, with Firebase (Authentication, Firestore, Cloud Functions) as the backend
- Implemented core functionalities including advanced search by specialty/location, interactive Google Maps integration, and secure patient/doctor profiles with appointment scheduling and reviews

SURVIVE THE NIGHT — May 2024
- Engineered custom physics, collision detection, and a modular particle engine for a real-time 2D/3D zombie survival game in C/C++, emphasizing low-level systems programming and memory management

ADDITIONAL

Technical Skills: React, Vue,js, Next.js, C++, C, TypeScript, JavaScript, Python, PostgreSQL, Git, Networking, Linux, Auth0, SwiftUI/Swift, HTML, CSS, TailwindCSS, Vercel, Nginx, VS Code, ServiceNow, Figma, Machine Learning Algorithms

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