Alexandria McOmber

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Professional Summary

Full Stack Web Developer with hands-on experience in React, C#, JavaScript, and Python, with some experience working with AWS cloud services. Skilled in building responsive applications, maintaining interactive systems, and working across both software and hardware domains. Known for adaptability, collaborative problem-solving, and a passion for delivering high-quality user experiences.

Skills

Frontend: HTML, CSS, JavaScript, React
Backend: C#, .NET Core, Python
Databases: MongoDB Atlas
Other Tools: Figma, Photoshop, Visual Studio Code, Arduino, Git
Cloud: Basic knowledge of AWS (S3, EC2)
Soft Skills: Team collaboration, attention to detail, creative problem-solving, adaptability

Education

Utah Valley University — *Bachelor of Computer Science, Full Stack Web Development*
Orem, UT | August 2021 – May 2025

Key Courses & Projects

Capstone Project — Marvel Nexus:
Independently designed and implemented the full-stack architecture for a web application showcasing comic book data from the Marvel Developer API.

- ❖ [Marvel Nexus](#)
- ❖ Implemented frontend with React and styled using CSS
- ❖ Integrated backend using MongoDB Atlas, Express, Node.js, and Javascript
- ❖ Designed database schemas, RESTful routes, and authentication flow
- ❖ Wrote and ran automated tests for key components
- ❖ Deployed via AWS S3 Bucket static frontend and Elastic Beanstalk backend

CS3400: Human Factors in Software Development

- ❖ [Figma prototype](#)
- ❖ Explored user interface design using Figma and conducted usability studies.
- ❖ Built a well rounded figma application that was developed throughout the class

Experience

Exhibit Technician — Thanksgiving Point
Lehi, UT | February 2022 – December 2024

- ❖ Diagnosed and repaired interactive museum exhibits, including touchscreens, buttons, and control systems. Improved guest satisfaction by reducing downtime on exhibits through these quick, effective repairs
- ❖ Collaborated with cross-functional teams to design and prototype new guest experiences
- ❖ Programmed microcontroller-based exhibits for responsiveness and durability