

Matthew Anderson

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EDUCATION

Oregon State University

Corvallis, OR

Bachelor of Science in Computer Science (GPA: 4.0)

April 2023 – June 2025

Relevant Coursework *Data Structures, Web Development, Introduction to Databases, Analysis of Algorithms, Computer Architecture and Assembly Language, Operating Systems I, Parallel Programming*

University of Michigan

Ann Arbor, MI

Bachelor of Arts in English with Honors

September 2015 – May 2019

EXPERIENCE

Software Engineer Intern

Grand Rapids, MI

Dematic

July 2024 - Present

- Collaborated in developing full-stack applications, using Angular-based UI, NestJS API, and Microsoft SQL Server database, resulting in a measurable improvement in system performance and responsiveness
- Played a key role in upgrading and customizing client systems by transitioning features from a legacy product version to the latest technology stack, resulting in a 25% increase in customer satisfaction
- Facilitated cross-functional collaboration to translate client requirements into technical solutions, aligning with business goals and accelerating project delivery by 20%, while actively engaging in Agile workflows

Teaching Assistant (Computer Architecture and Assembly Language)

Remote

Oregon State University

September 2023 – August 2024

- Clarified difficult concepts in computer architecture and x86 Assembly Language to over 100 students weekly during office hours, fostering improved understanding and academic success
- Delivered detailed evaluations and feedback for 180 student programs written in x86 Assembly Language, contributing to student growth and deeper comprehension of low-level programming principles

English Teacher

Grand Ledge, MI

Grand Ledge Public Schools

August 2021 – June 2022

- Developed an engaging and skill-focused curriculum, providing clear instruction and motivation to students, resulting in an exceptional end-of-year passing rate of around 95%
- Mentored students while actively engaging with colleagues and parents to cultivate strong interpersonal relationships, thereby enriching the quality of learning both inside and outside the classroom

PROJECTS

Soul Plane | *React, Express, MySQL*

github.com/mjande/soul-plane

- Developed and optimized a robust MySQL database schema, utilizing multiple SQL queries to facilitate user interaction and efficient data retrieval for enhanced app functionality and performance
- Led backend development by crafting API endpoints, implementing business logic, and meticulously debugging database connections, while contributing to user interface development for seamless project functionality
- Utilized GitHub for repository hosting, employed feature branch workflow for efficient collaboration, and utilized SSH for server access, enabling effective deployment of the web application onto remote servers

ClassCircles | *React, Express, MongoDB*

github.com/mjande/ClassCircles

- Spearheaded the development of a full-stack web application that connects students with on-campus groups to enhance community engagement as part of OSU Fall 2023 Hackathon
- Crafted the design for responsive and stateful components using React and Material UI, improving user interactions to deliver an exceptional and streamlined user experience
- Implemented a collaborative workflow leveraging Git and Github to ensure synchronous teamwork, effectively minimizing friction and enhancing productivity within the team structure

TECHNICAL SKILLS

Languages: JavaScript (TypeScript), Python, C

Frameworks and Databases: React, Angular, Node.js (Express), MySQL, MS SQL Server

Developer Tools: Git, GitHub, VS Code, Visual Studio, MS SQL Management Studio