

Matthew Anderson

616-780-1475 | matthewjanderson42@gmail.com | [linkedin.com/in/matthew-joseph-anderson/](https://www.linkedin.com/in/matthew-joseph-anderson/) | github.com/mjande

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, Software Development Lifecycle II, 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 user interface for supply chain automation tool, significantly enhancing user experience and streamlining operational workflows
- 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
- Actively contributed to cross-functional collaboration in Agile workflows to translate client requirements into technical solutions, aligning with business goals and accelerating project delivery by 20%

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

PROJECTS

My First Shell | C

<https://github.com/mjande/my-first-shell>

- Developed a custom shell program that replicates core functionalities of Unix-like shells, allowing command execution and intuitive user interaction
- Implemented features such as input/output redirection and piping, enabling users to execute complex command sequences seamlessly
- Conducted rigorous manual testing and debugging to ensure reliability and performance, leading to a user-friendly interface and robust shell behavior

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), Go, Python, C

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

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