

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 *Introduction to Databases, Analysis of Algorithms, Data Structures, Web Development, Computer Architecture and Assembly Language, Discrete Structures in Computer Science*

Clubs and Activities *OSU Hackathon Club Member*

University of Michigan

Ann Arbor, MI

Bachelor of Arts in English with Honors

September 2015 – May 2019

PROJECTS

Soul Plane | *React, Express, TypeScript, 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, Material UI*

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

HikerBook | *Ruby on Rails, StimulusJS, Bulma, PostgreSQL*

github.com/mjande/hikerbook

- Engineered robust user authentication functionality within Ruby on Rails, delivering a personalized and secure experience tailored to each user on the platform, ensuring heightened security and user satisfaction
- Employed StimulusJS and Bulma frameworks to craft a visually captivating, responsive, and high-performing single-page layout, elevating user experience through enhanced appearance and swift navigation.

EXPERIENCE

Teaching Assistant (Computer Architecture and Assembly Language)

Remote

Oregon State University

September 2023 – Present

- 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
- Collaborated with professors and colleagues to refine grading standards for multiple assignments, resulting in enhanced transparency in assessing student skills and ensuring fair evaluation

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

TECHNICAL SKILLS

Languages: Python, JavaScript (TypeScript), Ruby, x86 Assembly Language

Frameworks and Databases: React, Express, Ruby on Rails, PostgreSQL, MongoDB

Developer Tools: Git, GitHub, VS Code, Visual Studio, PyCharm