Matthew Anderson

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EDUCATION

Oregon State University — Corvallis, OR
Bachelor of Science in Computer Science — *April 2023 – March 2025*

Relevant Coursework *Data Structures, Web Development, Computer Architecture and Assembly Language, Discrete Structures in Computer Science*

University of Michigan — Ann Arbor, MI
Bachelor of Arts in English with Honors — *September 2015 – May 2019*

PROJECTS

ClassCircles | *React, Express, MongoDB, Material UI* — github.com/gcWDev/ClassCircles
- Built full-stack web application with 2 teammates that connects students with on-campus groups as part of competition for OSU Fall 2023 Hackathon
- Designed responsive and stateful components for viewing and editing user data using React and Material UI to ensure enjoyable and efficient user experience
- Utilized cooperative workflow with Git and Github to work synchronously and reduce friction while working in a team structure

HikerBook | *Ruby on Rails, StimulusJS, Bulma, PostgreSQL* — github.com/mjande/hikerbook
- Implemented robust user authentication functionality in Ruby on Rails, providing a personalized and secure experience tailored to each user on platform
- Leveraged StimulusJS and Bulma frameworks to create a visually appealing, responsive, and fast single-page layout for enhanced user experience
- Employed RSpec to conduct comprehensive testing, ensuring functionality and reliability of project's backend

Chess | *Ruby* — github.com/mjande/chess
- Utilized object-oriented programming to create modular and reusable classes for game entities, such as pieces, board, and player, promoting code organization and maintainability
- Applied test-driven development methodology using RSpec, ensuring code quality, reliability, and adherence to project requirements throughout development process

EXPERIENCE

Undergraduate Learning Assistant — Remote
Oregon State University — *September 2023 – Present*
- Assisted in instruction for Computer Architecture and Assembly Language course by answering student questions during office hours, allowing students to increase mastery of material and overall grade in course
- Contributed major part of grading for 6 projects and exams by closely and fairly evaluating student submissions and boosting understanding in future assignments through detailed feedback
- Communicated with professors and colleagues to refine several grading standards for individual assignments, leading to more transparent assessment of student skills

English Teacher — Grand Ledge, MI
Grand Ledge Public Schools — *August 2021 – June 2022*
- Instructed and motivated students with a curriculum implementation focusing on clarity and skill development, resulting in an end-of-year passing rate of roughly 95%
- Mentored students and communicated with colleagues and parents to foster strong interpersonal relationships and enhance quality of learning in and out of classroom
- Researched and presented findings from exploratory committee on project-based learning to inform teachers of alternate teaching methodology and improve their teaching practice

TECHNICAL SKILLS

Languages: Python, JavaScript, Ruby
Frameworks and Databases: React, Express, Ruby on Rails, PostgreSQL, MongoDB
Developer Tools: Git, GitHub, VS Code, Visual Studio, PyCharm