Matthew Anderson Software Developer

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EDUCATION

Master of Arts in Educational Studies   June 2020 – June 2021 | Ann Arbor, MI
University of Michigan

Bachelor of Arts in English   September 2015 – May 2019
University of Michigan   Ann Arbor, MI
- GPA: 3.895, Phi Beta Kappa, Honors Thesis

SKILLS

Ruby on Rails | JavaScript | React | HTML5 | CSS3 | Sass | Tailwind CSS | Bulma | RSpec | Git

GitHub | PostgreSQL | Heroku

PROJECTS

HikerBook 🔗   September 2022 – October 2022
Ruby on Rails / RSpec / Bulma
A social media app for lovers of the outdoors (**GitHub**: https://github.com/mjande/hikerbook 🔗)
- Implemented single page layout with live posts stream using Hotwire to improve experience without sacrificing features
- Used Devise and OAuth to authenticate users, to enhance user experience by filtering irrelevant content
- Integrated image storage with Amazon S3 to allow users to attach images to profile/posts, to allow more options for user interaction

Booklovers Bookstore 🔗   December 2022
React
A shopping application for finding and buy books (**GitHub**: https://mjande.github.io/booklovers-bookstore/ 🔗)
- Used stateful React components to implement item cart and cart totals, to make page experience simple and intuitive
- Created single-page application layout using React Router to reduce loading times and speed up webpage navigation
- Connected to Open Library API to provide huge selection of books with interactive features like subject view and search by keyword, allowing users many routes to find what they're looking for

Chess 🔗   June 2022 – July 2022
Ruby / RSpec
A two-player chess app played on the command line (**GitHub**: https://github.com/mjande/chess 🔗)
- Created encapsulated classes to parse player input as algebraic notation, to allow for a flexible way to indicate the next move
- Wrote board checking script to analyze board position for possible moves, checkmates, and stalemates, to create a seamless gameplay experience based on standard chess rules
- Implemented testing using RSpec across the app to increase ease in refactoring and guarantee working state

PROFESSIONAL EXPERIENCE

English Teacher   August 2021 – June 2022 | Grand Ledge, MI
Grand Ledge Public Schools
Taught over a hundred 9th graders fundamentals of high school reading and writing
- Turned abstract objectives into engaging lessons under tight timetable using organizational and time management skills to offer lasting instruction to students
- Created slideshows to successfully communicate knowledge in clear, understandable format
- Used teaching and communication skills to prepare students for high school literacy with a 95% passing rate

INTERESTS

Outdoors (Hiking, Backpacking), **Computer Science** (Object-oriented programming, automated testing, clean code), **Music** (Folk, jazz, classical), **Reading** (Historical fiction, fantasy/science fiction, programming)