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 | HTML5 | CSS3 | Tailwind CSS | Bulma | RSpec | Git | GitHub

PostgreSQL | Heroku

PROJECTS

HikerBook ✐   September 2022 – October 2022
Ruby on Rails / RSpec / Devise / Bulma / Hotwire
A social media app for lovers of the outdoors
- **Live:** https://radiant-crag-76822.herokuapp.com **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, improving user experience by filtering irrelevant content
- Integrated image storage with Amazon S3 to allow users to attach images to their profile and posts, incorporating a visual component to the app

Flight Booker ✐   August 2022
Ruby on Rails / RSpec / Tailwind CSS
A mock web app that allows users to find and book flights
- **Live:** https://stark-lowlands-16925.herokuapp.com/ **GitHub:** https://github.com/mjande/odin-flight-booker
- Wrote multi-field form to query database for possible flights based on locations and dates, so users can quickly find desired flight information
- Created booking confirmation email feature to communicate booking details with customers

Chess ✐   June 2022 – July 2022
Ruby / RSpec
A two-player chess app played on the command line
- **Live:** https://replit.com/@mjande/chess **GitHub:** https://github.com/mjande/chess
- Created encapsulated classes to parse player input as algebraic notation, allowing for a flexible way to indicate the next move
- Wrote board checking script to analyze board position for possible moves, checkmates, and stalemates, creating 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