

Matthew Anderson Software Developer

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EDUCATION

Master of Arts in Educational Studies

University of Michigan

June 2020 – June 2021 | Ann Arbor, MI

Bachelor of Arts in English

University of Michigan

September 2015 – May 2019

Ann Arbor, MI

- GPA: 3.895, Phi Beta Kappa, Honors Thesis

SKILLS

Ruby on Rails | **JavaScript** (React) | **HTML5** | **CSS3**

CSS Frameworks and Preprocessors (TailwindCSS, Bulma, Sass) | **REST APIs**

Relational Databases (PostgreSQL) | **Test-Driven Development** (RSpec, Capybara, Jest) |

Version Control (Git) **GitHub** | **Deployment** (Heroku)

PROJECTS

HikerBook

September 2022 – October 2022

ROR / RSpec / Bulma

A social media app for lovers of the outdoors (**GitHub**: <https://github.com/mjande/hikerbook> 

- Designed single page layout with asynchronous posts stream to create lightning-fast user experience
- Utilized Devise and OAuth for user sign-on to ensure better user content and security
- Integrated image storage with Amazon S3 to allow users to attach images to profile/posts, allowing different mediums 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, making page experience simple and intuitive
- Created single-page application layout using React Router to reduce loading times and speed up webpage navigation
- Incorporated data from Open Library API to provide huge selection of books with interactive search features, allowing users the easiest 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 and create seamless gameplay experience
- Implemented test-driven development using RSpec 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)