

Ryan Monahan

P. 914-715-1431 Monahan.62@osu.edu [LinkedIn](#) [Github](#) [AngelList](#) [Portfolio](#) New York, New York

SKILLS

React.js, Ruby on Rails, JavaScript, Ruby, Redux, PostgreSQL, Express.js, Node.js, MongoDB, Canvas, Ajax, jQuery, SQL, Git, HTML5, CSS3, AWS, Heroku, Google Maps API

PROJECTS

AirGoT

[Live Site](#) | [Github](#)

AirBnB clone with a game of thrones theme. Built using Ruby on Rails backend with PostgreSQL database and React/Redux frontend.

- Built custom user authentication with current user persisting through full refresh and descriptive login/signup error notifications.
- Utilized Google Maps API in order to create an interactive map with custom markers that filters based on locations currently within the bounds of the map.
- Leveraged React-Dates to create an interactive calendar that blocks out conflicting booking times and tracks reservations for each spot.
- Incorporated Amazon Web Services for simplified storage and seamless photo access in the frontend display components.

Save The Princess

[Live Site](#) | [Github](#)

Platform scroller built using Javascript and Canvas with the goal of collecting keys to enter the castle and save the princess.

- Combined sprite sheets with frame rate formulas in order to correctly rotate animations including running, jumping, attacking, dying, and still animations.
- Implemented scene scrolling using a dedicated level class that clears all components and then builds new components based on the level's identifier and the state of the level.
- Created over 30 state variables to track the current state of the game. These variables allow the game to constantly evolve based on user actions
- Developed a final boss scene with a fully animated cutscene and twist ending that allows for the user to make one final decision to decide how the game ends.

Rations

[Live Site](#) | [Github](#)

Recipe searcher built using MERN Stack (MongoDB, Express.js, React, Node.js)

- Built with a 4 person team where everyone's strengths were utilized and communication was strong throughout.
- Applied the spoonacular recipe API to scrape recipes from the web based on ingredients entered by the user.
- Employed MongoDB and Express.js in order to store necessary recipe data as well as track comments and like associations leading to simplified extraction from the front end.

EXPERIENCE

Financial Article Writer

Seeking Alpha, April 2018 - Dec 2018

- Authored an article about the viability of the MoviePass business model that received over 40,000 views and a top 10 ranking in its category.
- Utilized the knowledge gained from CFA exam preparations to calculate discounted cash flow, evaluate risk factors and generate a fair valuation of the company's stock price.

Data Center Intern

Align, May 2015 - August 2015

- Participated in client meetings alongside senior management to develop high quality data center design plans for numerous fortune 500 companies.
- Investigated designs to determine any flaws or conflicts that could materialize while creating the data center.
- Traveled to Boston and Virginia and successfully built out a 1200 square foot database within the given 4 day timeframe.

EDUCATION

App Academy - 1000-hour immersive full-stack web development with <3% acceptance rate (January 2020)

The Ohio State University - BA - Economics (Spring 2016) - Minor in Engineering Sciences

Relevant coursework - Linear Algebra, Programming C++, Spreadsheets and Databases, Engineering Capstone Project

CFA Level 3 Candidate - Passed both level 1 and level 2 on first attempt