

Andrew Lee

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New York, NY

[Portfolio](#)

[Linkedin](#)

[GitHub](#)

[AngelList](#)

Technical Skills

React.js, Redux, Ruby on Rails, SQL, JavaScript, HTML5/CSS3/SASS, AWS, Webpack, Mongo, Express, Node.js

Projects

Kinship

[live site](#) | [github](#)

Mongo, Express, Node.js, React, HTML5, JavaScript, CSS3, Webpack

Single Page Application that allows users to create detailed note cards about friends and family

- Built front-end user authentication and demo-login, storing an instance of the authenticated user inside the redux store, giving other React components easy access the user's slice of state
- Customized React and protected routes, requiring authentication, and removing the need for additional page loads and refreshes by rendering only necessary components, allowing users to enjoy a seamless experience
- Designed animated SVG logo for splash page with vanilla CSS using nth-child selectors and custom keyframes changing stroke-dash lengths with time delays
- Followed git team workflow practices such as branching out new features, and merging into master, while avoiding merge conflicts by successfully communicating with team members

Dreamr

[live site](#) | [github](#)

React / Redux, Ruby on Rails, PostgreSQL, JavaScript, CSS3, AWS, Heroku, Webpack, SASS

Single Page Blog app inspired by Tumblr where users can post, edit, and delete content to a feed viewable by other users

- Established back and front-end user authentication with Rails model-level validation for unique usernames and hashed/salted passwords via BCrypt, as well as React and Redux to store user session/state
- Incorporated custom post model and React component, giving users full CRUD functionality via Rails RESTful routes enabling users to manage their own posts, and display media in their proper format utilizing post-type state and switch cases, allowing users to post any type of media content with a single React component
- Implemented search feature that updates the state of a search bar component upon user input, which parses the input string and compares it via a custom sorting algorithm that filters partial name matches from the redux state and displays the matches in a new component, allowing users to search for and sort posts by username

Convergence

[live site](#) | [github](#)

JavaScript, Canvas API, Firebase, HTML5, CSS3, SASS, Webpack

Minimal movement survival game inspired by super-hexagon coded with JavaScript

- Integrated Google Firebase to persist user high scores, including a custom reverse sort due to Firebase's inability to reverse sort natively, showing users a formatted version of high-scores pulled from Firebase
- Programmed game logic using JavaScript objects and ES6 classes resulting in modular code that is easy to understand and debug
- Simplified controls by limiting user input strictly to left/right arrow and spacebar, achieving an intuitive gaming experience that is easy to understand but hard to master

Education

App Academy | Spring 2020 | New York, NY

Immersive software development course focused on full-stack web development, 1000+ hours, 3% acceptance rate

Harvard University | Spring 2019 | Boston, MA

MA of Finance, Extension School

Rutgers University | Spring 2015 | New Brunswick, NJ

BS in Biomedical Engineering, School of Engineering