Matthew Johnston

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SKILLS

JavaScript, HTML, CSS3, React, Redux.js, Python, PostgreSQL, Node, Git, Express, SQL, Object-relational mappers, Docker, Flask, SQLAlchemy, data structures

PROJECTS

Disc General | *(React/Redux, CSS, FLask, Flask-SQLAlchemy, PostgreSQL)*   **live** | **github**
An online ecommerce store for selling discs/frisbees
- Developed a responsive cart and checkout system utilizing CSS and ensured data was stored in Redux in order to maintain the cart state as a user browses the store.
- Introduced a sort to the browse page that keeps track of the current selections in state hooks and updates the currently viewed discs by passing a deep copy of the discs back into the Redux store to be sorted.
- Used Redux to design a form on checkout that repopulates if the user is authenticated or previously filled out the form by changing the input's values in state hooks using user information stored in the Redux store.

Seen Scenes | *(JavaScript, Express, Pug/Jade, CSS, PostgreSQL)*   **live** | **github**
A movie browsing/collection app. (Clone of Goodreads)
- Used Express as an un-opinionated framework to implement an HTTP server with numerous middlewares to handle HTTP requests and render frontend frameworks.
- Incorporated user authorization using Javascript to allow a user to create an account with a secured password using BCrypt hashing on the backend, and is authenticated on frontend using auth API routes.
- Created an add to reel and like button on the separate film pages that updates using Ajax and creates a seamless user experience without reloading and updating the backend.

Instructables | *(React/Redux, CSS, Flask, Flask-SQLAlchemy, PostgreSQL)*   **live** | **github**
An app for browsing and creating unique diy project guides
- Built backend models and an API, utilizing CRUD and SQLAlchemy in order to allow ease of use and connectivity between the client and the server.
- Leveraged Redux and React components to create a scalable project page built dynamically from the step(s) and image(s) provided by the user.
- Used Redux to keep the state of a comment section component on the project pages, that updates the client's side and the database as the user interacts through React hooks and API calls on the frontend.

Remember The Milk | *(React/Redux, CSS, Express, PostgreSQL)*   **live** | **github**
An interactive checklist app
- Created helper reducers to handle state of components using redux to allow a uniform load of a single page and keep a component based structure.
- Used React/Redux to make UI dynamic and improve the user experience
- Built out REST API routes on backend to create a stateless api and keep the client and server separate

EDUCATION
AppAcademy
- Immersive 1000 hour full-stack software engineering bootcamp with <3% acceptance rate