MICHAEL WARNER

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SKILLS   React, Redux, Ruby, Ruby on Rails, JavaScript, SQL, Git, MongoDB, HTML5, CSS3, GraphQL, Docker

PROJECTS

Bundlr (Rails, React, Redux, HTML5, AWS S3, Heroku, PostgreSQL and CSS3)   **Live Site** | **Github**
A fullstack, single-page clone of Tumblr where users can sign up for an account, create posts, and like posts.
- Employed a flexible, application-wide modal which selectively renders distinct forms depending on changes in a slice of the Redux store.
- Implemented an auth pattern for verifying user credentials using BCrypt for digesting the password, and the SecureRandom module to generate a session token which gets passed to the Redux state.
- Leveraged thunk action creators and a series of reducers to get likes on individual posts to immediately persist to the application store and across all pages of the site without the user needing to refresh the page.
- Incorporated a seeder file for default database values, pre-made users, AWS S3 hosted image urls, and posts pre-filled for each seeding cycle of database dropping and re-creation.

Juggernaut's Revenge (JavaScript, HTML, CSS, Canvas, and Firebase)   **Live Site** | **Github**
A vanilla JavaScript typing game wherein users type sentences to help the X-Men's Juggernaut smash walls.
- Built a recursive call utilizing the requestAnimationFrame method to continuously render the game environment.
- Designed the game to monitor the x and y coordinates of objects within the canvas element to handle the app's wall-smashing collision logic.
- Rendered hidden elements with animated CSS to the canvas for set time periods through the use of JavaScript's setTimeout function. Elements were re-hidden through the re-attachment of a display: none class.
- Leveraged the innerHTML property of HTML elements positioned above the canvas to dynamically render the current "walls smashed" count and the game level for the user.

Disinterest (MongoDB, Express, Node.js, GraphQL, AWS S3, CSS3, Git, and React)   **Live Site** | **Github**
A themed full stack clone of Pinterest where users can create pins with images, like pins, and view a throttled feed of the site's pins.
- Incorporated multer middleware to handle image uploads on post requests made to a custom axios backend route designed for handling our AWS hosting.
- Built a pin creation form utilizing a series of GraphQL mutations designed to return the pin's data back into the Apollo cache for immediate rendering in our pin index.
- Leveraged a stable git workflow complete with remote branches and pull requests to ensure clean merges.
- Implemented a throttled feed of the pin index to mitigate excess get requests to AWS.

EXPERIENCE

Drexel University College of Medicine, *Lab Manager* Philadelphia, PA   2015-2017
- Maintained/tuned the Van Bockstaele lab's Transmission Electron Microscope, ultramicrotome, and cryostat.
- Ran immunostaining procedures including Immunogold EM Labeling, Immunofluorescent Labeling, as well as peroxidase staining with DAB.

EDUCATION

App Academy   2019
- Rigorous 1000-hour software engineering course with a strong focus on full stack web development.
- Coursework: Rails, SQL, JS, React, MongoDB, GraphQL, Docker, TDD, algorithms, design patterns, and programming best practices.

Rowan University   Glassboro, New Jersey   2010-2015
- Bachelor of Science in Biochemistry
- First recipient of the full tuition paid Forman S. Acton Scholarship