

DEAN MAYNE

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[PORTFOLIO](#)

[GITHUB](#)

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SKILLS

- JavaScript, React, Redux, HTML5, CSS3, Ruby, Ruby on Rails, R, R Shiny, RSelenium, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, REGEX, Webpack, jQuery, Git, Heroku, VBA, Presto, NoSQL, AWS, Docker, MaterialUI

PROJECTS

Marché aux Puces (Ruby on Rails, React / Redux, PostgreSQL, SCSS / CSS, Git, Webpack, Heroku)

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

A solo-built full stack Etsy clone built with a Ruby on Rails backend and React / Redux frontend

- Utilized conditional ActiveRecord queries to implement dynamic product index controller action which accepts a category from URL parameters to filter backend data.
- Built custom user authentication with BCrypt, Rails validations, and password hashing allowing for secure user sessions.
- Standardized design of React elements through BEM SCSS / CSS conventions to keep code DRY and visually consistent.

DAYA (MERN Stack) - **Project Lead**

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

A social take on the traditional calendar created using MongoDB, Node.JS / Express, and React.Js / Redux (MERN)

- Delegated workload amongst a team of three through daily stand ups and oversight of team Git workflow.
- Leveraged thunk middleware actions to shape the data fed from the backend and ensure efficacy of Redux state usage.
- Created a dynamic event index React component utilized for all event rendering across the application.

WaveDuck (JavaScript, HTML5, CSS3, Vanilla DOM with no additional libraries)

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

A digital rendition of a classic "wave box" where a user influences floating items using JavaScript, HTML, HTML5 Canvas and CSS.

- Applied constant x and y velocity calculations on each visual object in real-time to simulate liquid animation in JavaScript.
- Utilized DOM document listeners to allow for user/mouse input to influence and move items on the canvas.
- Designed user inputs and theme options through CSS, HTML, and JavaScript to create an interactive user experience.

PROFESSIONAL EXPERIENCE

Frontend Software Engineer, Member Board of Directors

Reclaim Foundation, a California Nonprofit (online community for trauma survivors)

Jan 2021 - Present

- Collaborate with designer on Figma designs implemented in React and backend engineer on Python-Docker built backend.
- Implement admin portal to manage flagged posts, comments built out in React, rendering custom flagged route data.
- Leverage React Hooks and React context for more lightweight state management and scalability.

Inventory Planning - North America Omni Channel Accessories

Banana Republic, Factory Stores

Mar 2020 - Sep 2020

- Constructed and maintained a script (R and RSelenium backend, VBA frontend) to take in CSV files and input weekly manual data entry of promotional and markdown events, saving dozens of hours per week.
- Developed pre-season inventory and financial plans that reconciled company defined top-down targets with ad hoc bottoms up plans to meet sales, margin dollar, and inventory goals for the season of \$44M and 4 million units.
- Drove the business toward and met pre-season goals through management of in-season open-to-buy forecasts, promotional strategies, maintaining 10-week inventory turn and service levels above 90%; presenting findings and new ideas to all levels of the company weekly.

Supply Chain Analyst - US Outlet, Canada OMNI-Channel

Levi Strauss & Co.

Dec 2018 - Mar 2020

- Conceived a new company in-month inventory and PO tracking system utilized by both the US and Canada fleets, totaling over 200 stores, in R Shiny and VBA using company OLAP data which are still in use today.
- Designed and implemented several R Shiny apps cross store clustering, PLM management, data reporting, and product imaging that impacted teams at all levels both in and out of Inventory Management, economizing hundreds of hours per month across the impacted teams.

EDUCATION

App Academy Immersive full-stack web/software development course

Sep 2020 - Jan 2021

Santa Clara University

Sep 2014 - Jun 2018

- Bachelor of Science in Economics with a concentration in Data Analysis.
- Bachelor of Arts in French and Francophone Studies with a minor in International Business.
- LEAD Scholars Program, for first-generation college students.