REBECCA FOSTER

New Haven, CT   203-500-5670   rebeccamrfoster@gmail.com   www.rebeccamrfoster.com   LinkedIn   Github

SKILLS

JavaScript, React/Redux, Ruby on Rails, HTML5, CSS3, MongoDB, Mongoose, Express.js, Node.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, jBuilder, RSpec, Git, Heroku, AWS, D3, Websockets

PROJECTS

Kanary | *(React/Redux, Ruby on Rails, PostgreSQL, JavaScript, HTML5, SCSS, AWS)*   **live** | **github**
- *Utilized* **Amazon Web Services S3 (AWS)** and **Rails Active Storage** to store and fetch videos and images from the cloud, preloading videos upon entering the video show page to minimize wait time for end users.
- *Designed* a search bar feature using **lifecycle methods** and **selector functions** that allows users to search by director, description, and genre and ensures that the search results dynamically update as users type.
- *Constructed* a Popup component using **React hooks** to insert and clear a Popup element from the **DOM** whenever users add or remove films from their watchlists through **CRUD actions**, thus enhancing user experience.

Cipher | *(MongoDB, Mongoose, Express.js, React/Redux, Node, Axios, Websockets)*   **live** | **github**
- *Employed* **web sockets** using **Socket.IO** and **Socket.IO client** in combination with the **Monaco Editor API** and **PeerJS** to create an environment for collaborative code editing and implement a video chat feature.
- *Leveraged* **React hooks** to dynamically update the body of the code document and emit data over the connected **web socket** every 750ms as a means of improving the performance of the web page.
- *Constructed* **Redux reducers** such that data was organized in the **Redux store** using **normalized state**, mitigating data duplication and increasing the speed of data access.

Global Happiness | *(Vanilla JavaScript, HTML5, SCSS, D3)*   **live** | **github**
- *Utilized* the **D3 JavaScript library** to build a realistic, zoomable world map and manipulate the color fill of each country based on data from the World Happiness Report 2021.
- *Built* a Tooltip feature using **mouse event listeners** to toggle the **CSS** properties and **Vanilla JavaScript** to manipulate the **inner HTML**, allowing users to hover over each country to view its specific statistics.
- *Incorporated* the **CSS3 Flexbox model** into the "About" **modal** to produce a clean and responsive web page.

EXPERIENCE

Teacher's Aide

Horizons at Norwalk Community College   Jun 2018 - Aug 2019
- Facilitated supervision of 13 second-graders and 12 third-graders living in an under-resourced community by providing individualized training in critical reading and STEM.
- Spearheaded update of company website, collaborating with Chair of Board of Directors to effectively convey mission and capture attention of potential donors.
- Controlled social media presence, reorganizing and sourcing from school's repository of photographs to enhance community engagement (including likes and comments) on Instagram by 50%.
- Recognized by Executive Director for unique ability to connect with and provide support for students with specific behavioral needs due to learning disabilities and trauma.

EDUCATION

App Academy - *Highly selective web development program with a 3% acceptance rate.* 2021.
NYU Tandon School of Engineering - *Bridge program for students with a non-technical background.* 2021.
Vancouver Film School - *Diploma with Honours. Received Film Stream Award. 93.04/100.00 Average.* 2020.
Wesleyan University - *BA Film and Psychology. 3.93/4.00 GPA.* 2019.

ACADEMIC AWARDS

Phi Beta Kappa - *Wesleyan University.* 2019.   **Dean's List** - *Wesleyan University.* 2015-2019.