

SKILLS

React, Redux, HTML, CSS, JavaScript, AWS S3, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, D3.js, topoJSON, Google Maps API, TensorFlow,

EXPERIENCE

Heroflix | React/Redux, Rails 5, Heroku, AWS S3

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

A full stack single-page web application inspired by Netflix where users can create profiles, browse, watch, and save videos

- Leveraged AWS S3 to host video data and other media to enable efficient load times and scalability of application.
- Implemented a carousel feature that used CSS and onClick listeners in order to allow the user to seamlessly browse videos with little to no load time.
- Utilized polymorphic associations in order to grab movie genres and their respective videos with one query, reducing the number of calls to the database drastically.

CovidConnection | MongoDB, Express, Node, React/Redux, Google Maps API, Geolocation API

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

A full stack web application that enables kindness and connection through the fulfillment of favors during quarantine.

- Utilized Google Maps API and Geolocation API in order to obtain and plot user location on an interactive map.
- Developed favor and user backend using a NoSQL DB for increased flexibility and for scalability.
- Utilized Git workflow practices to ensure and acted as team lead to enable concurrent and efficient development of application amongst team members.

COVID-19 Data Tracker | Javascript, D3.js, Webpack

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

An interactive data visualizer that connects COVID-19 data with socioeconomic risk factors like poverty, race, and age.

- Implemented D3 to efficiently render graphs of different COVID datasets to the user with little downtime.
- Used D3-GeoMaps to create a responsive, interactive map that renders information to the user on hover or on click.
- Integrated the COVID-19 Tracking API and the US Census API in order to display the most up to date poverty and COVID-19 data.

Research Assistant

[Kennedy Krieger Institute](#)

Aug 2019 - July 2020

- Assisted with the implementations of research studies in order to find potential anti-seizure medications for infants.
- Independently compile and analyze research data using various relevant statistical computer software applications and maintained data reports.
- Developed scripts using Excel and Sirenia that reduced the time to analyze EEG recordings by eighty percent.

Research Assistant

[Institute of Human Virology](#)

May 2015 - Aug 2016

- Created excel models in order to synthesize protein crystals that could be tested as potential peptide treatments against inflammation.
- Perform routine biological procedures such as gel electrophoresis, blotting, chromatography, and chemical procedures such as simple synthesis, or product isolation on over 50 protein samples.
- Assisted in the collection, recording, and entering of research data for analysis using SPSS.

EDUCATION

University of Maryland, College Park - *BS Physiology and Neurobiology*. May 2019

[AppAcademy](#) - *Highly selective full stack web development program with a 3% acceptance rate*. December 2020