

EXPERIENCE

[TBD Health](#) | Health-Tech start up specializing in at-home STI/STD screening for women

Oct 2020 - February 2021

Front End Software Engineer | Freelance

- Collaborated with COO, and CTO, to cover gaps in Sketch designs and implement an iterative approach to enhancing UI by rebuilding components with React Hooks, HTML/CSS, and troubleshooting in a test production environment to meet the deadline for customer beta testing
- Utilized designs in Sketch to implement complementary designs and front end logic to render a HIPAA compliant messaging feature for customers and clinicians to Send messages to Clinicians, receive Appointment Requests, and reply to specific messages including STI Test Results and exclude server generated messages.
- Utilized dangerouslySetInnerHTML to allow Clinicians to send external links or resources to Patient and sanitized HTML with DOMPurify package to prevent cross-site scripting (XSS) attacks
- Composed modular Front End code used on Clinician facing companion [website](#) for enhanced clinician UI
- Created custom forms, loading screens, and error handling using useEffect hooks and document methods, for enhanced UI presentation across multiple forms, pages, and error message handling
- Modularized protected and unprotected routes to prevent unauthorized access to specific components, ensuring patient privacy and beta testing for residents in Washington State

PROJECTS

SuperTramp | (React, Redux, Ruby on Rails 5, HTML, CSS, PostgreSQL, AJAX, AWS)

[Live](#) | [GitHub](#)

Tribute to popular camping website HipCamp, where users explore various listings across many locations

- Utilized Rails backend to connect with AWS S3 for image cloud storage, to increase application scalability
- Identified real world locations with Google Places Autocomplete API which allowed users to reliably search for campsites based on geolocation
- Constructed validation logic that checks new bookings against existing bookings to prevent double bookings and ensure best user experience
- Improved users booking interface with Airbnb/React-Dates with dynamic form input and frontend level validation logic to ensure logical dates and number of guests are within capacity, without additional database queries

San Francisco AQI | (D3.js, Fetch, JavaScript, HTML, CSS)

[Live](#) | [GitHub](#)

D3.js application that utilizes an external API to present real time air quality index and shows previous records of San Francisco's AQI

- Dynamically programmed widget, shaped into a cloud via CSS by appending HTML elements to DOM via promises, to manage asynchronicity of JavaScript for smooth page loading and update current PM2.5 levels from external API
- Utilized D3.js to append scatter plot and paths based on calendar years to D3-appended SVG element to enhance user interactivity via mouseover and click actions

Food Harmony | (MongoDB, Express.js, React, Node.js, AWS, Git)

[Live](#) | [GitHub](#)

MERN stack app that curates unique food items based on distance to a restaurant

- Integrated Flickity library which produced an interactive photo carousel to enhance user experience on mobile and desktop platforms
- Installed Multer middleware and AWS S3, to store Food and Restaurant pictures and programmatically assign unique URLs to handle multipart/form-data and improve app scalability
- Maintained public git repository and remotely communicated with associated Software Engineers on smooth git workflow and troubleshooting

SKILLS React, Redux.js, JavaScript ES6, HTML5, CSS3, Jira, Figma, Object-Oriented Programming (OOP), Git, Insomnia

EDUCATION

AppAcademy - Immersive Software development course with a focus on Full stack web development 2019-2020

University of California, Davis - BS Microbiology, 2005-2010