Nicholas Cheung

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SKILLS

React, Redux.js, JavaScript, HTML5, CSS3, Ruby on Rails, Node.js, Git, PostgreSQL, AJAX, Postman, Heroku

EXPERIENCE

Front End Software Engineer
Nicholas Cheung Freelance Web Development with [TBD Health](#) (React Hooks, AWS Amplify, HTML, CSS)   Oct 2020 - Present

- Collaborated with COO and designers to implement an iterative approach to enhancing UI by rebuilding components with React Hooks, HTML/CSS, and troubleshoot in a test production environment
- Utilized designs in Sketch to implement front end logic to render HIPAA compliant messaging feature for customers to Send, Receive, Reply, and read Reply Message Chains
- Collaborated with COO and CTO to cover gaps in Sketch designs and implement complementary design choices, including the design of Reply Message Chains to meet the deadline for customer beta testing
- Incorporated AWS Amplify technology to implement Account Creation and Login screens
- Created custom error handling in user sign up and login, using useEffect hooks and document methods, for better front end visuals to the customer
- Stylized border of HTML Table Element and circumvented inherent HTML Table styling issues to match Sketch designs by utilizing CSS specific selectors to enhance UI presentation
- Composed modular Front End code to be used on sister Clinician facing website for enhanced clinician experience
- Modularized protected and unprotected routes to prevent unauthorized access to specific components and data

PROJECTS

SuperTramp | *(React/Redux, Ruby on Rails 5, HTML, CSS/SCSS, 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

EDUCATION

AppAcademy - Immersive Software development course with a focus on Full stack web development 2019-2020
University of California, Davis - *BS Microbiology, 2005-2010*