VIVIAN CHEN

646-209-4763   New York, NY   vnchen92@gmail.com   Portfolio   LinkedIn   Github

SKILLS

JavaScript, React, Redux, CSS3, HTML5, Node.js, ExpressJS, MongoDB, Mongoose, Ruby, Ruby on Rails, SQL, PostgreSQL, Git, Webpack, Heroku

PROJECTS

LineAlert | *MERN Stack (MongoDB, Express, React/Redux, Node.js)*   **live** | **github**

NYC subway alert application with search feature and live alert updates

- Spearheaded alerts feature by using Express.js to create RESTful backend routes and using Axios requests to return data to populate frontend React components for complete CRUD functionality
- Optimized our single-page app to only refresh the application state when necessary, shortening pre-load time
- Collaborated with three colleagues to produce our Mongoose Schemas to help determine the structure of our Redux state, building a solid foundation and efficient look-up queries
- Applied Github best practices to prevent merging conflicts allowing for higher productivity levels

Strive | *React/Redux frontend, Ruby on Rails, PostgreSQL backend, Google Maps Platform*   **live** | **github**

Full Stack clone of Strava, a social networking application for athletes

- Ensured user authentication and authorization through Rails validations and PostgreSQL column restrictions to allow only privileged users certain actions such as posting activities and editing their own activities
- Harnessed the unidirectional state management of Redux to simplify React components and directly manage data so only necessary components rerender, allowing for a seamless user interface
- Designed normalized database schema and implemented ActiveRecord associations resulting in effective queries from the PostgreSQL database when retrieving activities, comments, likes, and follows
- Utilized Google Directions API to render accurate paths on Google Maps and Google Static Maps API by allowing users to create customized routes as well as show elevation points along the path using Google Elevations API

Calorie Calc | *Javascript, HTML, CSS, ChartJS*   **live** | **github**

Interactive data visualization application for tracking macronutrients and calories for Subway

- Developed a mathematical algorithm to calculate macronutrient data points including fat, carb, and protein to render accurately and dynamically on bar chart using Chart.js
- Executed object oriented programming for DRY code and synced user input on bar chart, menu items, and hidden list using custom event listeners
- Applied Flexbox and CSS grid to design seamless UI experience on a single-page-application

EXPERIENCE

Memorial Sloan Kettering Cancer Center   New York NY 10065

Financial Assistance Counselor   April 2019 - March 2022

- Created an instructional guide on the current system user interface/UX to maximize efficiency when navigating the system for specific information allowing trainees to quickly grasp the system workflow
- Managed 80+ cases simultaneously while maintaining already developed relationships with frequented patients
- Recognized for providing patients with emotional support and alleviating stress by counseling patients on insurance processes, financial assistance program processes, and Medicaid processes

Patient Billing Specialist   February 2017 - April 2019

- Identified and reconciled patient complaints within one encounter, resulting in a 15% deduction in call drop rate
- Educated patients on billing processes and guided them through insurance procedures to improve their understanding of their financial responsibilities for all future visits
- Mentored new hires for best company practices to minimize potential errors

EDUCATION

App Academy - Intensive software development program with <5% acceptance rate consisting of 80+ hours of weekly coding

Stony Brook University - *BS Health Informatics*