VIVIAN CHEN

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SKILLS

JavaScript, React, Redux, CSS3, HTML5, Node.js, ExpressJS, MongoDB, Mongoose, Ruby, Ruby on Rails, jQuery, SQL, SQLite3, 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 to create RESTful backend routes and using Axios requests to connect frontend React components to construct its 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 data models to help determine the structure of our Redux state to build a solid foundation
- Applied Github best practices to prevent merging conflicts allowing for productive and collaborative teamwork

Strive | *React/Redux frontend, Ruby on Rails and PostgreSQL backend*   **live** | **github**

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

- Ensured user privacy and autonomy through Rails validations and PostgreSQL column restrictions to only allow logged in users access to app functionality
- Harnessed the unidirectional state management of Redux to simplify React components and directly manage data when querying the PostgreSQL database for activities, comments, and likes
- Utilized Google Directions API to render accurate paths on Google Maps API and Google Static Maps API to dynamically show user's customized listed routes

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 on bar chart and hidden list
- Implemented dynamic bar chart with Chart.js library to visualize macronutrients compared to total calorie count depending on the on-click specifications, using custom event listeners to sync user input in bar chart, menu items, and hidden list through object oriented programming
- Applied Flexbox and CSS grid to design seamless UI experience on a single-page-application

EXPERIENCE

Memorial Sloan Kettering Cancer Center

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

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

Stony Brook University - *BS Health Informatics, 2010-2014*