Henry Tan
Software Engineer

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SKILLS

LANGUAGES: Javascript, Ruby, C++, SQL, HTML5, CSS3
TECHNOLOGIES: React, Redux, Ruby on Rails, PostgreSQL, SQLite3, jQuery, RSpec, Git, AWS, D3, Bootstrap, Node.js, Express, MongoDB, Mongoose, Heroku

EDUCATION

Web Development - *App Academy*   Summer 2019
12-week, rigorous 1000 hour full-stack programming bootcamp with less than 3% acceptance rate.

Computer Science Major - *Hunter College*   2014 - 2018
Relevant Courses Taken: *Software Design and Analysis I, Software Design and Analysis II, Supervised C++ Programming Lab, Discrete Structures, Computer Architecture I*

PROJECTS

Henflix (*React, Redux, Ruby on Rails, and PostgreSQL*)   live | github
A bird-themed Netflix clone, media streaming platform, where users can sign up to stream TV shows and movies
- Implemented user authentication for user sign-in/sign-up using BCrypt hashing to protect personal information and custom model/controller-level validation to restrict video access to signed-in users.
- Optimized video fetching for efficient database calls by eager-loading AWS attachments and related content via Rails associations, avoiding N+1 queries and resulting in faster user experience.
- Fetched videos and genres asynchronously, relying on Redux infrastructure and data-flow to populate custom React components with updated data for appropriate filtering and formatting, resulting in consistent and continuous presentation of video content

Nutrify (*Javascript, Chart.js, and D3.js*)   live | github
A nutritional breakdown data visualization that takes in user input and outputs the nutritional value rendered in a donut chart and liquid fill gauges
- Configured form-based user interface, which triggers custom HTTP function and queries Nutritionix API for relevant data to be parsed and formatted properly for use throughout the application.
- Utilized the Nutritionix API's ability to filter out any inputs that do not relate to food and measurements accounting for human error and ensuring desired nutritional data for a more intuitive UX
- Filtered and formatted data fetched from API into specific nutritional categories, using Chart.js to render a donut graph to display the overall nutritional value in a user-friendly display.
- Restructured nutritional data into multiple liquid-filled gauges using SVG elements to better visualize the percentage of FDA recommended daily intake provided by the nutritional value of given ingredients.

EXPERIENCE

Pharmacy Technician
Whitman Pharmacy   May 2017 - Aug 2017
- Aided 50 patients with payment transactions daily.
- Generated reports on daily sales and briefed supervisor on metrics
- Collaborated with a pharmacist to prepare medication for patients.
- Trained new incoming staff to be able to assist ~300 customers on a weekly basis.