

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 to protect personal information and to only allow signed-in users access to videos and their own videos list.
- Optimized video fetching to efficiently call database by including attachments and Rails associations to avoid N+1 queries, resulting in a faster loading experience.
- Fetched videos and genres by using AJAX requests to RESTful routes created in the Rails backend and passing data onto front end slice of state, where custom React components have been configured to filter and format data appropriately, resulting in interactive and responsive presentation of video content.

Nutrify (*Javascript, Chart.js, and D3.js*) [live](#) | [github](#)

A nutritional breakdown data visualization application that takes in user input and outputs the nutritional value with a donut chart and liquid fill gauges

- Converted user input into nutritional data information by passing input through Nutritionix API to parse and fetch data.
- Utilized the Nutritionix API to filter out string input and return nutritional data based on food items within user input.
- Filtered and formatted data fetched from API in order to render a donut chart to display a meal's nutritional value in units of grams.
- Restructured data into liquid-filled gauges to show percentages of each nutritional breakdown compared to FDA average diet.

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 pharmacist to prepare medication for patients.
- Trained new incoming staff to be able to assist ~300 customers on a weekly basis.