

# Henry Tan

## Software Engineer

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## SKILLS

**LANGUAGES & TECHNOLOGIES:** Javascript, Ruby, Python, SQL, HTML5, CSS3, React, Redux, Ruby on Rails, PostgreSQL, Git, AWS, Node.js, Express, MongoDB, Heroku, Flask, Context

## EXPERIENCE

### [Black Spectacles](#)

#### Software Engineer

May 2022 - Present

- Implemented a new self-service checkout flow using React and Material UI to create a smoother checkout experience.

### *Stealth Startup*

#### Software Engineer

Dec 2020 - May 2022

- Implemented Chrome extension features using React and Material UI for smooth and responsive UI.
- Integrated Contentful as CMS to decouple the process of incorporating new break video content to non-technical members.
- Utilized Chrome extension's storage API with Context API to cache and persist user and extension data minimizing API requests.
- Enhanced Chrome Extension's user accessibility to a wider audience by incorporating a Spanish version using i18next.
- Implemented Flask RESTful API with dynamic routing to generate endpoints for the frontend team to call.
- Achieved growth of over 1,000 new users in Chrome Store after launching Chrome Extension Beta for Web Summit.

## 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 a faster user experience.
- Fetches 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 a consistent and continuous presentation of video content.

### **Nutrify** (*Javascript, Chart.js, and D3.js*)

[live](#) | [github](#)

*A nutritional breakdown data visualization app that converts user input into nutritional data rendered in a donut chart and liquid fill gauges*

- 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.

## EDUCATION

### **Web Development - App Academy**

2019

12-week, rigorous 1000-hour full-stack programming bootcamp with less than a 3% acceptance rate.

### **Computer Science Major - Hunter College**

2018