

ETHAN CHEN

Software Engineer

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[LinkedIn](#)

[Github](#)

SKILLS JavaScript, Python, React, Redux, Node.js, Express, Django, Flask, SQL, Sequelize, PostgreSQL, SQLAlchemy, HTML, CSS, REST APIs, Docker, Git, Mocha, Test Driven Development, Pair Programming, Object Oriented Programming

EDUCATION

AppAcademy - 1000-hour immersive full-stack web development program, 2022

University of Texas at Austin - BBA, Finance, 2016-2020

PROJECTS

RPE10 | (React/Redux, Node.js, Flask, socket.io, Chart.js, SQLAlchemy, Python, PostgreSQL, HTML, CSS) [live](#) | [github](#)

A weightlifting programming application for athletes to program their own workouts and track volume/rpe progression.

- Implemented average volume and rate of perceived exertion statistics as hybrid methods of the object models, displayed through **Chart.js**
- Integrated **socket.io** to enable live chat messaging among users on the platform
- Engineered dynamically rendering program tables that would save user changes **onBlur**, mimicking the convenience of visualizing and manipulating data across spreadsheets

Esen | (React/Redux, Node.js, Flask, SQLAlchemy, Python, PostgreSQL, HTML, CSS)

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

A project management tool for teams to collaborate on projects, assign tasks and view workflow capacities.

- Structured application to pre-load information at the root level into **redux** to minimize **fetch** calls by 80%, and normalized state to access and edit information efficiently
- Incorporated a teams feature through a **dynamic search** within application-wide and project scopes to connect Project, Task, and User entities
- Wireframed and structured entire **user interface** and **user experience** by visualizing and considering what features the end consumer (professional project teams) would most highly value

Travelr | (React/Redux, Express, Node.js, Sequelize, PostgreSQL, HTML, CSS)

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

Inspired by Flickr, Travelr is a platform for travel enthusiasts to share their memories, favorite images, and create profiles.

- Utilized **Redux** to manage state across several components and render DOM changes dynamically through several **AJAX** calls to **REST API** endpoints
- Designed image favoriting feature through use of **caching** image favorite counts as a property of the Image model to access information in **O(1) time complexity** and avoid constant database queries
- Leveraged **AWS S3** to store and serve image files for more efficient image uploads and loading speeds

Large | (Node.js, Express, Sequelize, PostgreSQL, HTML, CSS)

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

Large is a pixel-perfect clone of Medium where users can write stories, leave comments, and follow other users.

- Orchestrated entire **project development** through thorough planning of MVP features, database schemas, and user stories, and establishing achievable goals and timelines amongst week-long code sprints
- Implemented a user **following feature** through a **self-joining** relationship among instances of the User model
- Refined user interface to achieve **pixel-perfect** CSS designs identical to the social publishing platform, Medium

EXPERIENCE

Valuation Analyst

Stout Risius Ross, LLC

Oct 2020 - Jan 2022

- Engineered financial models, conducted due diligence, and designed valuation opinion presentations and reports for Enterprise Valuations, Purchase Price Allocations, and Transaction Opinions for over 30 clients
- Mentored 3 summer analysts and new-hires on various valuation techniques, financial concepts, client etiquette, and Excel/Powerpoint skills, and pioneered hiring process for two full-time analysts