

Jackson Lu

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EDUCATION

Hunter College | B.A. in Computer Science, Minor in Mathematics

GPA: **3.8/4.0** Sep 2017 - May 2021

EXPERIENCE

Tradelegs LLC

New York, NY

Software Developer

Jan. 2022 – Present

- Maintain and implement new features on the main dashboard of web app, including custom sorting/filtering on different types of data, that displays NYSE historical/live stats, and stock option predictions.
- Update **UI** and improve **UX** by iterating on feedback from clients and members on the business team.
- Improve response time for retrieving large dataset from server by **60%** using decompression and **Redis** for caching.
- Designed and built out page for visualizing data through series of line charts and histograms to gain insights.
- Extend functionality and refactored components within internal libraries for better readability and maintainability.
- Make available to users daily generated data and images pulled from S3 using **Ruby's AWS SDK** on the backend.
- Developed functionality for admin users to be able to configure dashboard settings directly or via uploading a formatted configuration file.
- Utilize browser dev tools and extensions to identify and fix critical bugs, such as memory leaks.
- Collaborated with other team members through pair programming, code reviews, decision making, and participated in daily standup meetings.
- Technologies: **React, Redux, and SCSS, Ruby on Rails.**

Software Engineer Intern

Nov. 2021 – Dec. 2021

- Built various full-stack CRUD Ruby on Rails web applications, including a blog app, stock tracker, real-time chatroom using Rails integrated sockets, and a subscription photos app using Stripe for payments and S3 to store/get images.

PROJECTS

Product Feedback App ('Guru' FEM challenge) | Live Demo

Sep. 2022 – Nov. 2022

- Fully responsive multi-page **Fullstack CRUD** app that allows users to create and view feedbacks built with **React/RTK(Redux Toolkit)+Query** on the frontend and **Rails** for the **API**.
- Basic user authentication and authorization with session cookies.
- Features include filtering and sorting home feed, comment/reply section under posts, and infinite scroll.

Frontend Mentor Challenges (FEM) | GitHub

Aug. 2021 – Dec. 2021

- Completed **20+** challenges that consisted of building out fully responsive web apps, landing pages, and components, with a mobile first approach, from professional Figma designs provided by frontendmentor.io.
- Technologies: **HTML, SCSS, vanilla JS, React, Redux**, and Framer Motion for animations.

MeditAPP

Feb. 2021 – May. 2021

- Developed social media platform aimed for meditation users that allows users to distribute and consume meditation recordings.
- Engineered the backend by designed schema for the database, defined model that handles all queries to **Firestore**, and managed user uploads with **Firebase**.
- Technologies: **UIKit, AVFoundation, Firebase/Firestore**

SKILLS

Programming: Javascript · Ruby · Python · C++ · HTML/CSS · Swift · SQL

Frameworks/Libraries: React · Redux/RTK · Material-UI · SASS · TailwindCSS · JQuery · Bootstrap · Flask · Ruby on Rails