

Yue Hao

Software Engineer

(518) 867-6409 | yhao.dev@gmail.com | Jersey City, NJ

[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

SKILLS AND TECHNOLOGIES

Technologies: Javascript, Python, SQL, HTML, CSS, React, Redux, Node.js, Express.js, Flask, Sequelize, SQL, SQLAlchemy, PostgreSQL, SQLite3, AWS, Docker, Git, Render, chartJS, Mocha, Chai

Skills: leadership, people management, time management, stress management, attention to detail, team building, relationship management, strong oral and written communication

PROJECTS

Arrow Investment (JavaScript / Python / React / Redux / Flask / SQLAlchemy / Postgres / CSS / HTML)

[Live](#) | [GitHub](#)

Arrow Investment is a full-stack clone of Robinhood that allows users to trade US stock live

- Thoughtfully designed front-end and back-end data flow and calculation engine to modularize application into reduced data fetch requests to optimize website performance and efficiency for a better user experience
- Balanced the cost of external live stock API and website performance by switching to a cost-efficient API in the middle of the project which saved \$20 per month
- Implemented stock chart to provide users with a vivid picture of individual stock performance and portfolio performance over time with different time horizons selection

HomeSweetHomeAway (JavaScript / React / Redux / Express / Sequelize / Postgres / CSS / HTML)

[Live](#) | [GitHub](#)

HomeSweetHomeAway is a full-stack clone of Airbnb that allows users to book vacation homes all over the world

- Spearheaded the design and implementation of the database schema, API routes, and back-end queries, allowing for more specific and organized calls between and front and back end
- Integrated AWS to allow vacation owners to upload their beautiful vacation homes and users to add images to their reviews
- Utilized Google Map to help users easily find the location of the vacation home and make better decisions when booking on the website

DivvyUp (JavaScript / Python / React / Redux / Flask / SQLAlchemy / Postgres / CSS / HTML)

[Live](#) | [GitHub](#)

DivvyUp is a full-stack clone of SplitWise that allows users to track and share expenses and bills with friends

- Worked collaboratively with a team of four engineers and leveraged Agile project management experience to guide the team's task prioritization to compensate for teammates' expertise and varied work schedules under different time zones
- Build functions for users to add, update and delete expenses with conditional rendering so that users with the proper role can perform a certain action to ensure correct expense tracking and fairness among payers and owers
- Modernized UI/UX design from the original website to enhance users' experience by clear navigation, and logical placement of buttons for users to seamlessly navigate an end-to-end payment flow from setting up expenses to settling up with friends

EXPERIENCE

Treasury Manager - Affirm

Jun 2021 - Oct 2022

- In charge of the company's overall treasury strategy that successfully issued a \$1.73 billion 0% convertible senior note in Nov 2021 to secure 5-year long-term financing before the rising funding cost among tech start-ups
- Lead the company's balance sheet risk management that proactively relieved third-party risk by diversifying bank accounts and avoided being impacted by the collapse of the Silicon Valley Bank
- Managed a team of 4 direct reports and motivated the team to work creatively and collaboratively to deliver top-class treasury planning and analysis while maintaining excellent relationships with product, engineer, finance, M&A, operations, and tax departments

EDUCATION

App Academy, Full Stack Development

Oct 2022 - Apr 2023

- Pair Programming, Test-Driven Development (TDD), Object-Oriented Programming (OOP), Agile Project Management, Data Structures and Algorithms, Debugging, Deployment

Pace University, BBA/MS in Accounting and Financial Management

May 2015