

# Yutaro Hirayama

## Full Stack Developer | Software Engineer

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### TECHNICAL SKILLS

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**Languages:** JavaScript, Python, SQL, HTML, CSS

**Frameworks/Tools:** React, Redux, Node.js, Express, Flask, Sequelize, SQLAlchemy, PostgreSQL, AWS, Docker, WebSockets

### PROJECTS

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**Foodie** (*JavaScript / React / Redux | Python / Flask / SQLAlchemy / PostgreSQL*)

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

*A Yelp inspired site for users to manage business pages and post reviews.*

- Utilized React / Redux to implement Object Oriented Programming to develop an app with reusable components for streamlined codebase.
- Implemented Flask SQLAlchemy custom validations to optimize user-experience and manage data integrity when handling create, read, edit, and delete features of user data.

**Snack** (*JavaScript / React / Redux | Python / Flask / SQLAlchemy / PostgreSQL / WebSockets*)

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

*Slack clone website for users to live chat with each other.*

- Integrated WebSockets to all core features to seamlessly update database and render create, read, edit, and delete inputs in real time between app users.
- Designed an intuitive and user-friendly UI with React and Redux to conditionally render multiple dynamic components for a single-page app.

**Airbnb2** (*JavaScript / React / Redux | Node.js / Express / Sequelize*)

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

*Web app inspired by Airbnb to post rentals and review experiences.*

- Developed Node.js / Express server to process asynchronous HTTP requests for numerous endpoints utilizing custom middleware to handle validations and ensure data consistency.
- Leveraged Redux state to eliminate redundant fetch requests for a more efficient and optimal user experience.

### EXPERIENCE

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Derivatives Team Lead

Mar 2021 - June 2022

*TCW Group*

- Managed Derivatives team responsible for confirming and processing all derivatives trades and interest payments with multiple brokers for Investment Management firm with \$200 billion AUM.
- Orchestrated development of internal systems feature for cleared swaps margin calls to automate daily calculation, confirmation, reconciliation, and settlement for over 100 accounts eliminating manual bottlenecks.

Senior Derivatives Specialist

June 2017 - Mar 2021

*TCW Group*

- Developed and managed trade lifecycle processes for new cleared swap products including trade confirmation, clearing, and daily margining with multiple futures clearing merchants.
- Administered daily pricing and valuation for derivative positions and processed collateral calls and exchange for bilateral, cleared and futures positions to cover client exposure.

### EDUCATION

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**App Academy**, *Immersive software development course with focus on full stack web development*

Dec 2022 - June 2023

**University of California, Irvine**, *Bachelor's in Business Economics*

Class of 2013