

# Ivan Lei

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## SKILLS

**Programming:** JavaScript, TypeScript, ReactJS, Ruby, ExpressJS, C++, Java, Bash

**Technologies:** Ruby on Rails, GraphQL, Git/GitHub, PostgreSQL, Heroku, NodeJS

**Operating Systems:** MacOS, Linux, Windows

## PROFESSIONAL EXPERIENCE

### Occupier

**New York, NY**

#### Software Engineer

*February 2022 – Current*

- Refactored a key feature for a product-line team that prevented application wide outages
- Created and implemented a time stamper integration between Shortcut and Heroku review apps through the use of the Shortcut API, streamlining communication for Product Managers and Engineers
- Significantly enhanced a notification system that was previously underutilized, resulting in increased clarity and usefulness for users

#### Software Engineer Intern

*June 2021 – December 2021*

- Developed a Design System to catalog and match components with the MaterialUI library, serving as the lead engineer for the project during my internship
- Created comprehensive inventory of all components, including naming conventions and usage guidelines
- Reduced development time by eliminating need to create custom components

#### Software Engineer Intern

*June 2020 – August 2020*

- Contributed directly to web application software to develop new features for a Beta V1 launch
- Collaborated with senior engineers on developing new features based off of Clubhouse.io to track user stories
- Followed Test Driven Development practices to decrease time spent tracking and fixing bugs
- Wrote End-to-end and Unit tests using Cypress and Jest respectively

## PROJECTS

### CTPHacks

**New York, NY**

#### Team Lead

*June 2020 – August 2020*

- Led a team of 3 to develop a technical homework submission extension for VS Code that streamlines the disparity of students submitting computer science assignments from different operating systems
- Constructed full-stack instructor web portal using ReactJS for frontend and NodeJS and PostgreSQL for backend

### Notes App

**New York, NY**

#### Project Lead

*June 2020 – August 2020*

- Utilized Ruby on Rails web application framework to create a full-stack, RESTful, CRUD application, allowing users to create and manipulate web posts
- Developed full application testing suite to reduce possibility of bugs and decrease maintenance time

### Fitness Tracker App

**New York, NY**

#### Team Lead

*May 2020 – June 2020*

- Oversaw a team of 4 to implement a food/exercise app for users to track daily food, nutrition, and calories retrieved from an external API
- Championed backend development using NodeJS to send user data to the database with PostgreSQL

### COVID-19 Tracker

**New York, NY**

#### Project Lead

*March 2020 – April 2020*

- Created a tracker using a web-based API to track confirmed cases, recoveries, and deaths globally as well as each country individually to increase access to accurate, up to date information on the pandemic for 100+ users
- Leveraged ReactJS and MaterialUI to create and design the webpage using cards, bar charts, and line charts

## EDUCATION

**College of Staten Island, City University of New York (CUNY)**

**Staten Island, NY**

Bachelor of Science, Computer Science accredited by ABET

Fall 2021

**Dean's List Honor Roll Spring 2020 | Cumulative GPA: 3.64/4.00**

**Relevant Coursework:** Data Structures, Object-Oriented Software Design, Algorithms, Discrete Structures, C++ Programming