

Joe Xiyang Lu

t: 925.997.4863

e: joe.luxiyang@gmail.com

joexylu.com

[Linkedin](#)

[GitHub](#)

Skills

JavaScript, React, Hooks, Context API, Redux, HTML, CSS, Material-UI, Ruby, Rails, Mongoose, MongoDB, Node.js, Express.js, Three.js, PostgreSQL, Hasura GraphQL API, Docker, Webpack, jQuery, AWS S3, R, Python.

Experience

Software Engineer | August 2020 - October 2020 | Remote

[Hi Right Now](#)

- Developed HRN's front-end user interfaces from designs, added a new lobby UI component to improve networking experience, and got 40% more good feedback from users.
- Work closely with the UX team (Figma) to refactor and update the HRN platform from conception to production, then iterate and test new features.
- Troubleshooted and resolved issues in dev and production environments, helped catch and fix bugs in javascript codebase to ensure the smooth running of the HRN platform.
- Proactively and Clearly communicated with CTO, frontend lead, and other teams to resolve questions and solve problems.

Software Intern | June 2018 - August 2018 | San Ramon, CA

[Data Jaguar](#)

- Built an automated feature for Data Jaguar's NoSQL database in Shell Scripting to recognize data types in CSV files and boosted fellow developers' productivity remarkably.
- Learned SQL script in two days and proficiently input and output data from the Data Jaguar's NoSQL database.

Projects

CopX

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

React / Redux, Ruby on Rails, PostgreSQL, HTML / CSS, AWS S3, Heroku

Clone of StockX.com, a single-page, e-commerce application that allows users to browse through and shop sneakers.

- Managed backend data Create, Read, Update, Delete through custom transactional database operations using Active Record and PostgreSQL.
- Configured AWS S3 and Rails to image attachment for the quick transfer of assets needed for loading website content.
- Employed JBuilder to render JSON responses from backend APIs, fetching appropriate data into Redux store in order to efficiently render sneakers info and user info, and to encourage good React architecture.
- Built search feature to find by user input and dynamically query on the database to enhance user guidance.

TestZoo

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

Node.js, MongoDB, Mongoose, Express.js, React

A quiz platform allows users to create quizzes, customize questions/answers, and test on quizzes created by others.

- Built and custom-designed UI using React and Javascript for the user to build tests, pose questions/answers.
- Updated user's game performance (Score) via Axios requests then Express routes in the backend and simultaneously display the player's current score in the frontend.
- Applied JWT to users and allow users to access protected resources with verified credentials, in order to secure data.

FindDiamond

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

JavaScript, jQuery, Three.js, Physijs

A 3D maze game inspired by Minecraft

- Engineered collision and physical behaviors of moving-object using vanilla Javascript and Physijs library for more dynamic and interactive gameplay.
- Built a 3-dimensional game space by implementing geometries in the Three.js library for a richer gameplay experience.

Education

App Academy | 2019 - 2020 | San Francisco, CA

Web Development Certificate, Related coursework: Full-stack Web Development(Ruby, Rails, JavaScript, Node.js, Express, React, Redux, HTML/CSS), Data Structures and Algorithms

University of California, Davis | 2015 - 2019 | Davis, CA

BS Applied Statistics, Related coursework: Data Analysis and Science(Python/R), Programming and Problem Solving(C), Software Developing and Object-Oriented Programming(C++)