

# QI HUANG

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**SKILLS** Ruby, Rails, React, Redux, JavaScript, Node.js, jQuery, HTML, CSS, SQL, PostgreSQL, MongoDB, Git, OOP, TDD

## PROJECTS

**Chifan** (React/Redux, Node.js)

[LIVE](#) | [GITHUB](#)

*Lightweight food guide built with React/Redux, Node.js, and Yelp Fusion API.*

- Built reusable form and input component to read and write values with type customization and async functions.
- Integrated Yelp Fusion API to fetch data based on search and generated URL with parameters for users to share.
- Designed multiple filters for more specific results and a pagination bar to separate labeled markers in Google Maps.
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**Met** (Rails, React/Redux)

[LIVE](#) | [GITHUB](#)

*Airbnb clone in a Middle-earth theme built with Rails, React/Redux, and PostgreSQL.*

- Designed a search bar with recent input history and used PgSearch for full-text search by relevance of keywords.
- Integrated Google Maps API to display data results in markers and allow users to filter by name and location.
- Leveraged CSS Flexbox to design responsive page layout for seamless navigation in desktop and mobile devices.
- Implemented back-end authentication with BCrypt and managed user login credentials with Redux flow.
- Incorporated RESTful routes for AJAX calls and normalized data state shape in JSON to improve loading performance.

**Taiko** (JavaScript, HTML5)

[LIVE](#) | [GITHUB](#)

*Mini rhythm game featured Taiko drum built with vanilla JavaScript and HTML5 canvas.*

- Created pseudo random algorithm to dynamically animate musical notes based on beats per minute of music.
- Engineered DOM event listener, collision detection, score counter, and bonus reward mechanism during gameplay.
- Designed canvas graphics, user interface animation, music control, sound effects, and game over screen.

**HackBox** (React, Apollo/GraphQL)

[LIVE](#) | [GITHUB](#)

*Online card game platform built with React, Apollo/GraphQL, and MongoDB.*

- Utilized Apollo client to run front-end queries and mutations for fast fetching and predictable results from database.
- Implemented GraphQL subscriptions to broadcast user input and game progress to produce a multiplayer experience.

## EXPERIENCE

### Operations Specialist

*Renesola America Inc.*

May 2016 - Nov 2017

- Managed sales orders, quotes, validation, shipment, invoicing, and customer accounts in over 30 states.
- Improved logistic support for sales and project teams by expediting communication and fulfillment process.
- Analyzed monthly sales and inventory data with ERP software to report adjustment, balance, cost, and trend.

### Tax Assistant

*Litwak & Associates*

Jan 2016 - Apr 2016

- Compiled individual, partnership, and corporate tax documents in QuickBooks and CCH ProSystem Tax.
- Handled more than 50 tax returns in compliance of state regulations and federal laws under deadline.

### Math Tutor

*Chabot-Las Positas Community College District*

May 2010 - Jun 2011

- Oversaw and coached 40+ students weekly in algebra, geometry, and calculus.

## EDUCATION

**App Academy** Spring 2018

*Immersive 1000-hour full stack web development course with < 3% acceptance rate*

**University of California, Berkeley** Aug 2011 - Dec 2013

*BS Environmental Sciences*