

Qiao Yang Han

Software Engineer

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New York / NY

[Portfolio](#)

[LinkedIn](#)

[GitHub](#)

SKILLS

React.js, Redux, Express.js, Node.js, jQuery, JavaScript, Ruby on Rails, Ruby, Laravel, PHP, Python, Java, PostgreSQL, SQLite, MySQL, SQL, MongoDB, AWS, HTML5, CSS3, Git

PROJECTS

Qelp

[Live Site](#) | [Github](#)

A Yelp-inspired business review site using: React / Redux, Ruby on Rails, PostgreSQL, AWS, HTML5, CSS3

- Stored businesses' photos in the cloud using AWS S3, and displayed photos of each business in an images-slider using React.
- Designed search algorithms to allow users to efficiently search for businesses by name, category, or address.
- Utilized Google Autocomplete API to facilitate users' search-by-address experience, and Google Maps API to locate searched businesses and display a business's data in a modal when selected.
- Implemented CRUD functionalities for reviews using a Ruby on Rails RESTful API, JBuilder, and React/Redux to enable users to write a new review on a business, see reviews by all users, and edit or delete their reviews.

Portugal Trade Data Visualization

[Live Site](#) | [Github](#)

A data visualization application displaying Portugal's trade influence in the world using: D3.js, JavaScript, HTML5, CSS3

- Fetched public Portugal trade data for 2020 using Asynchronous JavaScript (AJAX).
- Utilized D3.js to construct a world map, a bar chart, and a range slider, bind trade data to them and apply DOM manipulation in the world map and the bar chart when a user selects a particular range.
- Applied Object Oriented Programming to encapsulate trade data and to separate rendering tasks of a world map and a bar chart.

Choose Your News

[Live Site](#) | [Github](#)

A news article scrapbook for users to curate their collections of articles using: React / Redux, Express, Node, MongoDB, AWS, HTML5, CSS3

- Led the creation and integration of an Express RESTful API, Redux reducers, and React components, to achieve CRUD functionalities.
- Utilized NYTimes API to retrieve news articles according to a user's subscribed figures, filtered and sorted by the relevance of new articles.
- Reconstructed React components by replacing props with React Hooks to increase rendering speed by 33%, refactored codebase, and reorganized files to ensure extensibility.

EXPERIENCE

Professional Brazilian Jiu-Jitsu Competitor

Marcelo Garcia Jiu-Jitsu Academy, Sep 2017 - Dec 2022

- Placed 3rd in the 2022 IBJJF American National Gi and Nogi championships in the adult purple belt lightweight division.
- Placed 3rd in the 2021 IBJJF World Nogi championship in the adult blue belt lightweight division.
- Taught 5-12-year-old kids classes as an assistant instructor.

Software Engineer

Shanghai Stone Nanometer Technology Port Co., Ltd., August 2016 - July 2017

- Developed a member management system using jQuery, JavaScript, Laravel, MySQL, Apache, Linux, and Bootstrap, and deployed it on Alibaba Cloud.
- Implemented CRUD functionalities using Eloquent ORM and Model-View-Controller(MVC) framework.
- Handled DOM manipulation, HTML events, and AJAX calls using jQuery.
- Collaborated with a project manager to create a friendly UI/UX to which the member management team could adapt.

EDUCATION

App Academy - Immersive software development boot camp with a focus on full-stack web development (September 2022)

New York University Tandon School of Engineering - BS - Computer Science (Spring 2015)