Qiao Yang Han
Software Engineer

347-341-3680   qyhwork@gmail.com   **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   Dec 2022
- 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.
- Developed a RESTful API in a Ruby on Rails backend, and utilized React/Redux to retrieve or upload data in the frontend to achieve CRUD functionalities for 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   Nov 2022
- Fetched public Portugal trade data for 2020 using Asynchronous JavaScript (AJAX).
- Utilized D3.js to display trade data on a world map and a bar chart, and created a range slider for users to filter trade data dynamically.
- 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: Dec 2022
React / Redux, Express, Node, MongoDB, AWS, HTML5, CSS3 (Team Project)
- Created a RESTful API in an Express backend, and utilized React/Redux to receive or send data in the frontend to achieve CRUD functionalities for news figures, news groups, and news articles.
- Utilized NYTimes API to retrieve news articles according to a user's subscribed news 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.

WORK EXPERIENCE

Professional Brazilian Jiu-Jitsu Competitor   Sep 2017 - Dec 2022
Marcelo Garcia Jiu-Jitsu Academy   New York, NY
- 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   August 2016 - July 2017
Shanghai Stone Nanometer Technology Port Co., Ltd.   Shanghai, China
- 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 (Sep 2022 - Jan 2023)
New York University Tandon School of Engineering - *BS - Computer Science* (Sep 2011 - May 2015)