Jian(John) Jiang

Software Engineer

New York, New York   (917) 941-2289   **EMAIL**   **PORTFOLIO**   **GITHUB**   **LINKEDIN**

SKILLS

React, Redux, Ruby, Rails, JavaScript, HTML5, CSS3, SQLite3, MongoDB, Express, Node.js, PostgreSQL, Heroku, Git, Mongoose, RSpec, jQuery, WebSockets

PROJECTS

C-lack   (Rails, React, PostgreSQL, JavaScript, WebSockets, HTML5, CSS3)   live | github

Single-page web app allowing users to communicate in real-time, inspired by Slack

- Implemented WebSockets using Rails ActionCable to establish a persistent connection between the user and the server which allows the user to see messages broadcast in real-time.
- Ensured calls to the database run asynchronously through the use of AJAX and Thunk middleware.
- Created polymorphic associations in Rails with users on messages and channels, creating a one-to-many relationship between these classes and producing a DRY codebase, as well as a more efficient database architecture.

Minion Wars (Mongo.db, Express, React, Node.js, HTML5, CSS3)   live | github

Web app allowing users to collect digital assets by exchanging digital currency

- Built user authentication by encrypting user details with JSON Web token to be used with Axios and to be decrypted with the JWT-Decode library in the frontend, ensuring user information is securely transmitted to the database.
- Included Validator.js library to check model validation for the inclusion of password and email upon login, ensuring email & password combinations are correct and unique.
- Engineered a smooth and functional UI with custom CSS to provide users with an interactive experience, relying on modals to alert users of market place messages and to provide a cohesive login/signup screen.

Elite Baby   (JavaScript, HTML5, Canvas, CSS3)   live | github

Side-scrolling platform game, where the user collects baby bottles and tries to reach the end of the level

- Incorporated an axis-aligned algorithm to detect collision between user and objects by checking the user's current position from its x and y-axis against the colliding object's edges.
- Designed a multi-layer canvas with varying velocities for an attractive background by assigning each background asset to a different layer and z-index.
- Formulated game object classes based on Object-Oriented Programming patterns for DRY code, which lends itself easily to the reuse of code through principles of inheritance and abstraction.

EXPERIENCE

Acai Berry, Inc. - Co-Founder

An Asian fusion cafe with a focus in smoothies, acai bowls, and sushi   Feb 2016 - May 2019

- Organized and oversaw weekly and daily schedules for employee base size of 6-10 as well as consulted and resolved complaints of varying degrees by ensuring customer satisfaction.
- Improved efficiency by creating daily operation workflow for every company position for a smooth and effective enterprise.
- Spearheaded partnerships with companies such as Grubhub and Yelp to boost sales by 10%.
- Hired, mentored, supervised new employees into the company atmosphere and workflow.

Wei, Wei & Co. LLP - Accountant

A full-service accounting firm that was organized in 1995   Jan 2013 - Nov 2014

- Prepared payroll and quarterly payroll tax on 1099-etc for 14 clients of various business sizes; Assisted client tax return preparation by recording related transactions and prepared trial balance on QuickBooks, Excel, and Lacerte.
- Researched and applied current tax regulations to assist firm partners in personal and business tax consulting.

EDUCATION

App Academy - *Immersive software development course with a focus on full-stack web development   /   Winter 2019*

Baruch College - *The City University of New York; Accounting / 2009 – 2012*

Suffolk Community College - *The State University of New York; Undergraduate Studies / 2008–2009*