Jing Jing Zhang

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SKILLS

Ruby, Ruby on Rails, JavaScript, React, Redux, HTML, CSS, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, AWS

PROJECTS

Mamazon I *(React / Redux, Rails 5, Ruby, Postgresql)*   **live I github**

Clone of Amazon, an e-commerce website where mom-users can search, shop and review products

- Optimized database usage and eliminated N+1 queries by observing SQL and Active Record best practices.
- Implemented custom back-end and front-end user authentication by combining Rails conventions, Active Record, and customized React-Router higher order components.
- Constructed search and filter functionality on the back-end by utilizing Active Record associations to minimize front-end routes and components.
- Leveraged custom event listeners and the React-Redux cycle to dynamically update cart items.
- Designed custom modal and dynamic rating-stars framework using React component architecture, allowing for efficient development of new forms.
- Harnessed Redux single-state management to streamline communication between back-end and front-end architecture and implement well-rounded CRUD functionality, allowing users to seamlessly update carts and reviews.
- Integrated Rails back-end with AWS S3 for media storage and organization while maintaining content security with AWS IAM.

CodeUps I *(React / Redux, MongoDB, Node.js, Express.js)*   **live I github**

A coding tutoring website where users can search videos, review tutors, and connect with other users

- Optimized front-end Axios data fetching by utilizing mongoose (ODM / ORM) querying and chaining functions.
- Built a weighted search algorithm that displays exponentially more targeted results based upon the relevance of search query.
- Collaborated with 3 engineers using git workflow to design CRUD functionalities for reviews, user-auth and profiles.

DinoBomber I *(Javascript, canvas, HTML, CSS)*   **live| github**

A fully interactive JavaScript and HTML5 Canvas game based on the classic bomberman and pac-man

- Decreased graphic rendering lag through the use of HTML5 Canvas and animation frames.
- Incorporated encapsulation and inheritance in Object Oriented Programing to DRY up code upon constructing moving objects.
- Designed an AI opponent by building custom collision detection with condition logic to increase game complexity.

EXPERIENCE

Senior Accountant, *Vicinity Energy Inc, Boston, MA*   Feb 2020 - Oct 2021
- Collaborated with accounting managers and tech lead to design and test new features for Microsoft Dynamic 365 accounting system implementation.
- Leveraged excel built-in functions and vbas to reduce manual data entry and data filtering by 50%.
- Led monthly financial meetings with executives and operation team, reporting on detailed PnL analysis with 98% data accuracy.

Staff Accountant, *EF Education First, Boston, MA*   Sep 2018 - Feb 2020
- Managed ledger data entry and accelerated monthly report closing time by 20 days.

Payroll Coordinator, *Jetro Restaurant Depot,* New York, NY   Sep 2017 - Jul 2018
- Accomplished weekly and bi-weekly payrolls for 9 stores with 97% accuracy in a timely manner.

EDUCATION

App Academy - *Immersive software development course with focus on full stack web development. 2021-2022*

Drexel University - *M.S. Accounting (3.8 GPA). 2015-2017*

University of Manchester - *B.S. Business Studies. 2011-2014*