

# 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** | (React / Redux, Rails 5, Ruby, Postgresql)

[live](#) | [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** | (React/Redux, MongoDB, Node.js, Express.js)

[live](#) | [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 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** | (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 concepts in Object Oriented Programming 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**, Jetto 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