Melody Luo

Full-Stack Software Engineer @ New York, NY

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Projects

bumblr

Ruby on Rails, PostgreSQL, React, Redux, Amazon AWS(S3)

A doggy-driven clone of media-sharing and blogging platform tumblr.

» Implemented front and back end authentication using BCrypt and react-router, alongside cookies to persist logins across sessions.

» Utilized Amazon Web Services (AWS) S3 and Rails Active Storage to store and compress images, employing Amazon's data security amongst project asset.

» Leveraged front-end data validations using React component state to safeguard against unnecessary asynchronous JavaScript requests.

Treat Retriever

JavaScript, HTML, CSS, Canvas

An infinite run game inspired by T-Rex Runner and good dogs.

» Built using object-oriented programming to ensure an organized codebase and abstract similar classes for clean and maintainable code.

» Designed collision detection for the implementation of game logic such as score incrementing, treat retrieval, and game-over features.

» Engineered parallax background with negative accelerations using moving background canvas, treats, and obstacles.

Fortune Couple

Mongoose, MongoDB, React.js, Express.js, Node.js

A compatibility application inspired by fortune cookies, which generates fortunes based on two users' zodiacs.

» Coordinated with teammates as flex engineer to fulfill any missing pieces, serving as the main guide for data sourcing and research to create user-friendly, ascetically pleasing UX/UI.

» Employed Mongoose schema to define the calculations data structure to create a back-end Mongoose model.

» Formulized front-end util to fetch user calculation and fortune data, utilizing axios calls to generate history of user fortune page.

Skills

Technical: React, Redux, JavaScript, Python, Ruby, Rails, HTML, CSS, Mongoose, MongoDB, Express.js, Node.js, PostgreSQL, SQL, jQuery
Technologies: Git, Adobe Photoshop, Heroku, Amazon AWS

Education

App Academy

2019 – 2020 // Full-Stack Bootcamp
1000+ hour software developer curriculum with < 3% acceptance.

Indiana University

2014 – 2018 // Bloomington, IN
Bachelor of Science in Finance

Experience

Textron Inc., Dallas, TX

Jun – Aug 2017 // Information Services

» Conducted cost validations for over 80 global suppliers.

» Designed layout for IT financial Management SharePoint, ensuring smooth website user interaction and acclimating UX.

Air Charter Service, Hong Kong

Jun – Aug 2016 // Junior Account Manager

» Managed 3 ACS subsidiary account receivables through global staff outreach and raising and posting of invoices.

Additional Information

Interests: Piano, Traveling, Running, Reading, Professional Development
Languages: Fluent Mandarin
Work Eligibility: Eligible to work in the U.S. with no restrictions