

Melody Luo

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SKILLS React.js, Ruby on Rails, JavaScript, jQuery, Ruby, Redux, SQL, Git, HTML5, CSS3, Sass, MongoDB, Mongoose, Express.js, Node.js, PostgreSQL, SQLite3, Heroku, Amazon AWS

PROJECTS

tumblr [Ruby on Rails, PostgreSQL, React/Redux, Amazon AWS]

[Live Site](#) | [Github](#)

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) to store images coupled with the paperclip and open-uri gem for image compression and quick uploading speeds.
- Leveraged custom client-side form validations in order to improve performance by rebuffing unnecessary asynchronous JavaScript requests.

Fortune Couple [Mongoose, Mongo.DB, React.js, Express.js, Node.js]

[Live Site](#) | [Github](#)

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

- Formulized backend routes to fetch user calculation and fortune data, utilizing these routes to generate history of user fortune page.
- Coordinated with teammates as flex engineer to fulfill any missing pieces, such as research and population of zodiac information and project aesthetic elements.
- Utilized mongoose modeling in conjunction with calculations schema to define the calculations data structure for the computations of user fortunes.

Treat Retriever [Javascript, HTML5, CSS3, Canvas]

[Live Site](#) | [Github](#)

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

- Engineered parallax background with negative accelerations using moving background canvas, treats, and obstacles.
- Designed collision detection for the implementation of game logic such as score incrementing, treat retrieval, and game-over features.
- Built using object oriented programming to ensure an organized codebase and abstract similar classes for clean and maintainable code.

EXPERIENCE

Textron Inc.

Financial and Information Services Intern, June 2017 - August 2017

- Conducted cost validations tax matrix for over 80 global suppliers using mastery of Excel pivot table tools, effectively managing risks and reducing third party liabilities.
- Designed layout for new IT Financial Management SharePoint, ensuring smooth website interaction and acclimating user experience for over 13 of Textron's business subsidiaries.
- Oversaw asset management and physical auditing of 3 Textron subsidiaries, generating tabular spread of Textron inventory and decreasing inventory surplus by over 25%.

Air Charter Service (ACS)

Junior Account Manager, Jun 2016 - Aug 2016

- Managed 3 ACS subsidiary account receivables through global staff outreach and raising and posting of invoices, thus gaining valuable communication skills and adept knowledge of the Access Dimensions database.
- Implemented Excel projects to help analyze office costs, employee expenses, and yearly revenue, helping provide valuable budgeting information to improve financial circulation of global offices.

EDUCATION

App Academy - Immersive software development course with focus on full stack web development (Spring 2017)

Indiana University, Kelley School of Business - *B.S. in Finance* (December 2018)