

Terrence Tang

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SKILLS

React.js, React Native, Redux, Rails with PostgreSQL, Express Mongoose with MongoDB, jQuery, HTML, SQL, CSS, Node.js, Javascript, Ruby, Git, RSpec, WebPack, Heroku, Cloudinary

EDUCATION

App Academy - Rigorous 1000-hour software engineering curriculum in full-stack development, algorithms, and data structures (Spring 2017)

University California Davis - *BS - Biological Science Emphasis in Molecular, Cellular Biology* (Spring 2010)

PROJECTS

Iso100

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

Single-page app image sharing website inspired by Flickr using Ruby on Rails for back end and React.js/Redux for the front-end.

- Used BCrypt to implement user authentication in order to ensure users can only edit their own images and albums. Passwords are not saved in the database.
- Optimized unnecessary pings to the database using Active Record on the back end to search images via their tags with querying and join tables.
- Structured front-end state to have comments and tags nested under photos to allow easy display, creation, and deletion.
- Used Cloudinary, an online hosting site, to store the images in order to optimize site loading times not having to grab from the app.

Dodge-A-Wrench

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

An arcade browser game based off the popular TI-83 calculator game, Avalanche. A player is controlled left and right avoiding thrown wrenches. Uses Vanilla Javascript, HTML Canvas, CSS.

- Improved on original game with the addition of powerups in the form of falling orbs that allow player survive an extra wrench hit.
- Created custom math algorithm that dynamically increases difficulty as time passes. (objects fall faster, probability of wrenches and powerup increases, and player movement increases).

Ka-Ching

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

Mobile application allowing users to sell and buy items from areas nearby using React Native/Redux, Node.js, and Express with Mongoose with MongoDB.

- Utilized React Native navigator for geolocation along with Google map api to locate user in order to show items available to buy near them. Also allows the user to choose a location to sell their own items via the map.
- Implemented React Navigation library to link all components via tabs and stack navigation to get the smooth mobile app swipe animations and to achieve user friendly direction navigating through the app.
- Created custom route calls and controller actions in the back end in conjunction with geolocation to query the correct items to display in the users' interest page and to optimize the data sending to the front-end.

EXPERIENCE

Optical Engineer

Seagate Technology, Fremont, Ca, September 2017 - January 2018

- Failure analysis and defect detection of hard drive disks in both customer returns as well as new research product lines being an integral part of Seagate's R&D facility.
- Maintained Candela machinery in both hardware and software to optimize better defect detection on disks.
- Created macros on Excel templates for lab techs that cut time in filling out sheets and increase accuracy for inputting and summarizing disk defect data.

Nutrition Partner

Kaiser Permanente Hospital, South San Francisco, CA, July 2011 - May 2017

- Promoted the healing process of patients by determining diet needs in accordance with doctor's order for nutrition and allergies.
- Co lead a project by implementing a visual representation of current patient satisfaction scores along with goals to meet for the week. Workers would fill in personal progress and goals to strive for. Over a course of 6 months, patient satisfaction, measured through patient surveys, increased by 20%.
- Created training videos for new hires and current employees on job duties and how to interact with patients in our nutrition department in accordance with the customer service and hospital standards.