

David Dabin Song

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Skills

JavaScript, React.js, Redux.js, Ruby, Ruby on Rails, HTML5, CSS3, Git, PostgreSQL, jQuery, Express, MongoDB, Node.js, AS3, SQL, RSpec

Projects

Yollow (JavaScript, React / Redux, Ruby / Rails, HTML, CSS, AWS, PostgreSQL)

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

real estate and rental marketplace

- Implemented AWS S3 bucket cloud storage resources available in amazon web services for users to upload their photos.
- Passed geolocation data into Google Map API to display markers at their appropriate locations.
- Optimized PostgreSQL database to avoid N+1 queries with ActiveRecord associations by extracting data from multiple tables in a single query

Swing Spiderman (JavaScript, Canvas, HTML5, CSS)

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

Swing between buildings without hitting black terrain

- Computed the character's trajectory by calculating the radian of the swing using trigonometric functions.
- Calculated the character's acceleration by using the force and the gravity from the object.
- Implemented character collision with object by finding the X and Y position of the object and sets the conditions to satisfy the statements.

Liftur (MongoDB, Express, React, Redux, Node.js, Sockets.io)

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

Mobile application that creates a fitness plan based on user goals and experiences.

- Generated JSON web tokens using randomly generated keys, which removed the need to store sessions in the server.
- Implemented route utilities for protected and authenticated frontend routes by reading authentication information from client state and redirecting users appropriately.
- Selected workout plans in the backend by querying through associated workouts given a user's fitness goal and requested difficulty level.

Education

App Academy

June 2019 - 2019

Immersive software development course with focus on full stack web development.

University of San Diego

Bachelor's in Economic

Aug 2013 - June 2017

Experience

MK FITNESS

Personal Trainer

Nov 2017 - May 2018

Successfully helped more than hundreds of clients to achieve their fitness goals

- Motivated clients by setting goals and providing always feedback. I helped clients maximize their health nutrition and fitness goals through appropriate cardiovascular, flexibility and resistance exercise.