

Taran Cacacho

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PROJECTS

TravelX

[live](#) | [source](#)

An itinerary-generating travel planner | (MongoDB, Express, React, Redux, Material UI)

- Created user-interface for trip index by implementing React components following Google's Material Design language, resulting in responsive design.
- Generated AJAX functionality to re-generate a randomized itinerary for a city and query Unsplash image repository for city-specific pictures.
- Worked closely with team of three other developers, following an agile methodology and holding daily scrums to create site in rapid 7-day timeline.

Space.js

[live](#) | [source](#)

A 3D rendering of the solar system's planets | (JavaScript, HTML, CSS, three.js)

- Mapped Mercator projections of NASA images to display three dimensional depictions of the planets, implementing three.js library and vanilla JavaScript.
- Utilized three.js library to generate planetary rotation, Phong lighting, and dynamic user-viewing of the planets, allowing for a more realistic view of the solar system's bodies.

Attack

[live](#) | [source](#)

A Slack-inspired messaging app | (Rails, PostgreSQL, React, Redux, Node.js, HTML, CSS)

- Engineered full-duplex communication between client and server by utilizing Rails's ActionCable module to allow for real-time messaging among users.
- Secured application routes and generated user authentication by incorporating BCrypt hashing functions and custom React-Router components.
- Implemented CSS Grid and Flexbox modules and Sass preprocessor to replicate UI-design of Slack's interface, leading to significant reduction in repeated code and a flat-design interface.

EXPERIENCE

Hacker in Residence, App Academy

Feb. 2019–Present

- Performed technical screens of software engineering bootcamp applicants and evaluated algorithmic aptitude in various languages, including JavaScript, Ruby, Python, and Java.

Powertrain-Cooling Lead Engineer, Bruin Racing

Oct. 2015–Jul. 2018

- Designed and analyzed cooling subsystem of Formula SAE race cars, by using MATLAB and Simulink software to optimize subsystem weight by ~2.5 lbs and enhance assembly ease.

EDUCATION

University of California, Los Angeles (UCLA)

Oct. 2014–Jun. 2018

BS Mechanical Engineering, Dean's List. Coursework included computer science, controls systems, numerical analysis, and engineering of large, scalable systems.

App Academy

Oct. 2018–Jan. 2019

1000+ hour, #1 ranked software engineering intensive (<3% acceptance rate). Topics studied include web-application development, object-oriented programming, TDD, best coding practices.

SKILLS

JavaScript, Node.js, React, Redux, Ruby, Rails, SQL, HTML, CSS, MATLAB, Webpack, NPM