


Zuhair Shaikh

San Francisco, CA 94102

 zuhairshaikh.me

 [linkedin.com/in/zuhairshaikh](https://www.linkedin.com/in/zuhairshaikh)

 github.com/ZuhairS

 415-786-9750

 zuhair.a.shaikh@outlook.com



SKILLS

JavaScript • Ruby • React.js • React-Native • Redux.js • Ruby on Rails • Node.js • Express.js
PostgreSQL • MongoDB • SQL • jQuery • Git • HTML5 • CSS3 • SASS • Heroku

SOFTWARE PROJECTS

Zwitch.tv

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

A video-streaming web app inspired by Twitch.tv, built using Ruby on rails on backend and React Redux on frontend

- Mimicked video streaming functionality by incorporating YouTube API through utilization of React YouTube module as a wrapper.
- Achieved real-time live chat functionality by seamlessly integrating Rails Action Cable in order to create Pub/Sub links between users in channels.
- Enabled instant preview of channel features by appropriating redux lifecycle methods.

BracketRunner

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

A tournament bracket-runner mobile app built as a team using Node.js/Express.js on the backend and React-Native/Redux on frontend

- Allowed populating brackets with links to player profiles if user exists in database using MongoDB queries and custom built promises.
- Set up the entire backend to allow for full CRUD functionality for both bracket and user models.

Kablamo

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

A physics-based interactive game built using Vanilla JavaScript and Matter.js

- Implemented intuitive control scheme that uses event listeners on each render of the simulation to check for relative mouse positioning.
- Wrote Enemy AI logic that responds dynamically to player aggressiveness.

ENGINEERING PROJECTS

NASA Electric Aircraft Design Competition

Jan 2015 - Aug 2015

- Coordinated five engineering students through design of a custom realizable electric aircraft within a specific set of NASA proposed constraints.
- Created and led presentations in an annual engineering design exhibit in front of reputable guests from within the industry to positive reception.

EMU and SAFER Space Vehicles Performance Analysis

Oct 2015 - Dec 2015

- Directed three engineering students using a systems engineering approach modelled by NASA in order to research performance under optimal and failure scenarios.
- Drafted and condensed detailed analysis reports for technical presentation in front of distinguished NASA and university researchers.

EDUCATION

App Academy (August 2017)

- Immersive software development course with focus on full stack web development.
- Rigorous program that accepts < 3% of all applicants.

University of California @ Davis (December 2015)

Bachelor of Science - Aerospace & Mechanical Engineering (Double Major)

EIT (Engineer-in-Training) Certified - California, June 2016