

Jonathon Wright

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Portfolio

FitWork (Rails, React/Redux) | [Live](#) • [Github](#)

Single page gym finder web application inspired by Yelp

- o Designed React search feature that processes matches by name and category to improve navigation
- o Integrated Google Maps API by retrieving coordinates from PostgreSQL database and presenting the location of businesses/gyms on Google Maps
- o Implemented Review feature that allows users to post and delete reviews for businesses if they are an authorized user

PackOnce (Django, React Native) | [Live](#) • [Github](#)

Mobile application that aims to make it easier to pack for trips

- o Designed suggested items feature that implements CRUD Django application to suggest most frequently brought items from other users
- o Implemented All Trips React Native component that fetches all trips the user has created

Cliffed (JavaScript, HTML5, Canvas) | [Live](#) • [Github](#)

JavaScript game in which players are challenged to outrun the cliff for as long as possible

- o Implemented collision detection between branches, obstacles, and the player
- o Increased the difficulty dynamically by manipulating velocity of the branches as time increases

Skills

| | | | | |
|-------|--------------|----------|--------|---------|
| Ruby | JavaScript | React.js | jQuery | Flux |
| Rails | React Native | Python | Django | SQL |
| HTML | CSS | Git | Matlab | LabVIEW |

Experience

Edwards Lifesciences

June 2015 – August 2015

Engineering Intern

- o Designed and tested in SolidWorks for over 60 unique parts of an implant valve delivery system that assisted surgeons in curing Functional Mitral Regurgitation(FMR) heart disease in patients
- o Developed test fixtures to perform strength analysis on newly designed components to ensure optimal performance under extreme operating conditions
- o Performed quality analysis audits on critical components, allowing surgeons to perform testing before quarterly review deadlines

Education

University of Southern California (USC), Graduated. 2016

B.S. Mechanical Engineering, GPA: 3.23

App Academy, January 2017 – April 2017

- o Immersive 1000-hour full-stack web development course with a 3% acceptance rate