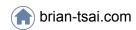
# **Brian Tsai**

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#### **EXPERIENCE**

Musician Hub | React, Ruby on Rails

live | github

Single-page application for users to download music from their favorite artists

- Built a music player that allows for continuous playback while browsing site, used Redux cycle to preserve state of songs: even when React components change, the playback is unaffected
- Created a RESTful songs architecture with Rails MVC that incorporated the Cloudinary API; extracted song urls from Cloudinary to Rails database, allowing users to play and download music

#### **Liftables** | React Native, Firebase

live | github

Mobile app that creates your own customized workout schedule

- Utilized Firebase API and designed JSON schema to update NoSQL database based on user input
- Created reusable components using React Native to update responsively based on backend; customized Calendar API and mobile navigation from npm modules

### Pikachu Racer | JavaScript, Canvas

live | github

JavaScript side-scrolling game inspired by Super Mario

- Created the player and obstacles using Entities and Sprites to animate images and update their positions, and implemented collision detection
- Devised a game loop that utilizes requestAnimationFrame to render images every frame

## **SKILLS**

#### **EDUCATION**

JavaScript

React/Redux

React-Native

Node.is

Firebase

· SQL

Java

· Ruby/Rails

HTML/CSS

App Academy

Sept. 2016 - Dec. 2016

Built fullstack apps and mastered web development, computer science algorithms

De Anza College Sept. 2015 - Jun. 2016

Programming in JAVA: Certificate of Achievement | GPA: 3.8

University of California, San Diego (UCSD) Sept. 2009 - Aug. 2014

BA: Interdisciplinary Computing and the Arts Major | GPA: 3.36

## OTHER EXPERIENCE

Audio Engineer - White Umbrella Studio

Mar. 2015 - Jun. 2015

- Oversaw audio operations for film productions, which included researching equipment and utilizing DSP audio techniques for post-production using Adobe Premiere Pro
- Created 4 videos/month on YouTube and Vine

## Marketing Assistant - Sleeping Giant Music

Sept. 2011 - Jun. 2012

- Built HTML/CSS newsletters biweekly in Adobe Dreamweaver; overhauled the old tagging system for the company's new blog and reorganized more than 500 old blog posts
- Evaluated Google Analytics to increase Facebook/Twitter followers for more than 10 artists; increased traffic for artists by more than 50%.