PATRICK G. LI

1412 Market Street, San Francisco, CA, 94102
(732) 986 – 1356 · patrickli727@gmail.com
Github · Website · LinkedIn

Projects

Songsnap
Live · Github

Retrieves music in real-time from the user's favorited Soundcloud tracks, matching a song to the user's photographed expression
- Combined HTML5 video capture with Microsoft's emotion API to quantify user facial emotion.
- Implemented SoundCloud authentication; Soundcloud API filters and returns a track from user's Soundcloud favorites and playlists

Lyfecoach
Live · Github

Full-stack social media platform inspired by EventBrite
- Interfaced with Google geocoding API and included query filtering for specific event browsing.
- Implemented custom authentication using BCrypt hashing.
- Utilized nested associations and single page implementation for a rich user experience.

'Sad Machine'
Live · Github

Musically entrancing JavaScript game using HTML5's Canvas
- Implemented a converted polar coordinate system from Canvas' inverted Cartesian coordinate system

ORM - ActiveRecord
Github

Experimental ActiveRecord implementation
- Reconstructed ActiveRecord as a means of practicing Ruby metaprogramming

Skills

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Flux, HTML, CSS, SQL, git

Education

App Academy
October 2015 - February 2016

1000-hour full-stack web development course with a < 5% acceptance rate.

University of California at Los Angeles
December 2013

B.S., Mechanical Engineering

Experience

Upgrade Tutoring and Mentoring
September 2013 - January 2015
Academic Tutor

- Privately tutored and mentored high school and college students in Mathematics and Physics, leading to increased grades across the board.

Dance Choreographer and Teacher
June 2013 - August 2015

- Taught choreography classes in the US, China, Sweden, and Russia
- Two time World of Dance champion, America's Got Talent Season 10