

Edwin Lai

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PROJECTS

Helping Hand (Ruby on Rails, React.js/Flux) | [live](#) | [github](#)

Personal Fundraising Site Inspired by GoFundMe

- High-performance single page web app powered by React and Flux.
- JavaScript search utility automatically filters results based on changes in user input.
- Uses custom routes to respond to AJAX requests not covered by RESTful routes.

RainbowRoad (Create.js, HTML5) | [live](#) | [github](#)

JavaScript Browser Game Influenced by Candyland

- Animations used to move pieces and communicate gameplay instructions to players.
- Implements computer players that are equally competent compared to human players.

ModelMapper (Ruby, SQL) | [github](#)

Lightweight ORM Framework Based on ActiveRecord

- Replicates the most commonly used features of ActiveRecord without excess baggage.
 - Modules and inheritance keep code maintainable and DRY.
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SKILLS

JavaScript, React.js, Flux, Ruby, Ruby on Rails, SQL, Git, HTML, CSS, Matlab

EDUCATION

App Academy (Jan 2016 - Mar 2016)

- 1000 hour coding boot camp with <5% acceptance rate.
- Teaches full-stack web development: Rails, SQL, JS, React, TDD, algorithms, and programming best practices.

University of California, Los Angeles (Sep 2011 - Jun 2015)

BS in Applied Mathematics, minor in Chinese - *magna cum laude*

- GPA 3.87, Dean's Honors List 9x, Phi Beta Kappa
 - Relevant Coursework: Linear Algebra, Probability Theory (Statistics), Combinatorics (including Graph Theory), Numerical Analysis.
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EXPERIENCE

Tutor - Varsity Tutors (Dec 2014 - Jan 2016)

- Teach students in mathematics, the SAT, and the ACT.
- Improved student's ACT composite score by 4 points and subsection score by 7 points.
- Raise student's score to 100% on a math test after student scored in the 60-70% range on the previous test

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