

# 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** (CreateJS, HTML5) | [live](#) | [github](#)

*JavaScript Browser Game Influenced by Candyland*

- TweenJS animations used to move pieces and communicate instructions to players.
- Competent computer players allow both single-player and multi-player modes.

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

*Lightweight ORM Framework Based on ActiveRecord*

- Replicates the most commonly used features of ActiveRecord without excess weight.
  - 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

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## 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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