

Zach Gavin

gavinzach@gmail.com (860) 830-8872 New York, NY

 [Portfolio](#)  [Github](#)  [LinkedIn](#)

PROJECTS

GoodMOOCs (*Rails, React/Flux*) | [live](#) | [github](#)

Web app for discovering and reviewing online courses.

- Suggests courses algorithmically based on ratings and course subjects.
- Search implemented for seeking specific .

BounceAround (*Javascript, HTML5*) | [live](#) | [github](#)

Browser game built on HTML5 Canvas.

- Realistic recoil / bounce algorithms made with vector algebra.
- Keymaster library handles types of key-presses more efficiently than jQuery.

ActiveRecord Lite (*Ruby, SQL*) | [github](#)

Functional rebuilding of ActiveRecord.

- Builds relationship between Ruby classes and SQL tables to create, find data.
- SQL data generated and organized with Ruby using heredocs.

SKILLS

Ruby	Rails	SQL	HTML/CSS	SQL
JavaScript	jQuery	React	Flux	Git

WORK

Development Assistant - *Philadelphia Education Fund*

2015

- Updated and maintained hundreds of donors' data in Raiser's Edge.
- Conducted prospective donor research each month.

Ocean Lifeguard - *National Park Service*

2014 - 2015

- Supervised 1000+ visitors per day across one quarter mile of shoreline.
- Practiced Red Cross preventative lifeguarding for a major-accident free season.
- Addressed emergency situations and set schedules in Head Lifeguard's absence.

EDUCATION **App Academy** - *Acceptance rate < 3%*

2015

- Intensive web development training program emphasizing pair programming, test-driven development, and best practices in JavaScript and Ruby on Rails.

Swarthmore College - *B.A. in Math and Education*

2010 - 2014

- Course Highlights: Linear Algebra, Discrete Mathematics, Statistical Analysis.
- Senior Thesis: Digital Game Learning in Intermediate Mathematics Pedagogy.