

Ryan Couto

[PORTFOLIO](#) • [GITHUB](#) • [LINKEDIN](#)

PROJECTS

ShopUp (*Ruby on Rails, Backbone.js, jQueryUI*) | [live](#) | [github](#)

Airbnb inspired app for commercial pop-up store rentals

- Backbone front-end consumes RESTful JSON API served by Rails back-end
- Uses jQuery UI to autocomplete search input and display datepicker
- Overrides Backbone parse methods to create front-end model associations
- OmniAuth allows login through Google
- Geocoder gem searches within user-defined radius
- Uses AWS S3 and Paperclip for file uploads
- User authentication utilizes BCrypt to store secret password hash

Snakes on a Euclidean Plane (*JavaScript, jQuery, HTML5*) | [live](#) | [github](#)

Snake game made with JavaScript, jQuery, and HTML5

- Utilizes JavaScript asynchronicity to render every 100 milliseconds
- Dynamically updates score

Chess (*Ruby*) | [live](#) | [github](#)

Command line chess game

- Game pieces inherit move functionality from parent classes
- Uses custom deep duplication method on board to validate moves

SKILLS

Ruby, Rails, JavaScript, Backbone, jQuery, HTML, CSS, SQL, RSpec, Heroku, PostgreSQL

EXPERIENCE

Software QA Analyst - *Lawrence Berkeley National Laboratory (2012-2013)*

- Worked with developers to test web-based applications
- Learned SQL to create scripts corresponding to stored procedures
- Maintained a database of radioactive containers owned by the Dept. of Energy

EDUCATION

App Academy - *Full Stack Web Development (2015)*

New York, NY

- Highly selective: less than 5% admission rate
- [Course curriculum](#)

University of California, Berkeley - *Bachelor in Applied Mathematics (Dec 2014)*

Berkeley, CA

- Relevant coursework: Linear Algebra, Real Analysis, Numerical Analysis, Probability