

Ryan Couto

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

EXPERIENCE

Software Developer - *Sweeten (2015 -)* - New York, NY

- Used MySQL, Ruby on Rails, JavaScript, AJAX, React.js, jQuery, HTML, CSS, AWS S3, Appcelerator Titanium
- Implemented TDD workflow using RSpec
- Created mobile application using Appcelerator's Titanium Mobile SDK
- Reconfigured content-based matching algorithm for greater accuracy

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

- 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

SKILLS

Ruby, Rails, JavaScript, AJAX, Backbone.js, React.js, jQuery, Titanium Mobile, HTML, CSS, RSpec, Heroku, PostgreSQL, MySQL, AWS S3, Git

EDUCATION

App Academy - *Full Stack Web Development (2015)* - New York, NY

UC Berkeley - *Bachelor's in Applied Mathematics: Statistics (2010 - 2014)* - Berkeley, CA

PROJECTS

SweetenApp (*Appcelerator Titanium, JavaScript*)

Mobile application for Sweeten experts

- Consumes JSON API from Sweeten's web application
- Device's JavaScript engine interprets and executes code, allowing access to native UI components and device functionality

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

Airbnb inspired app for commercial pop-up store rentals

- Backbone.js front-end consumes JSON API served by Rails back-end
- OmniAuth allows login through Google
- Geocoding allows searches within user-defined radius
- User authentication utilizes BCrypt to store secret password hash

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

Mathematically themed Snake game

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

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

Command line chess game

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