

# Ryan Couto

[GITHUB](#) • [LINKEDIN](#)

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## SKILLS

Go, Git, Bash, Python, Ruby (Rails, ERB, HAML), JavaScript (React, Backbone.js, D3, Appcelerator Titanium, jQuery, AJAX), HTML, CSS (Sass), Testing (RSpec, Capybara, Selenium), Heroku, SQL (PostgreSQL, PostGIS, MySQL, SQLite), AWS S3, R, Stata, MATLAB, Pants Build, Continuous Integration, Jenkins

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## EXPERIENCE

### **Software Engineer (Engineering Effectiveness)** - *Twitter (2016 - )* - New York, NY

- Helped bring [CloudExec](#) - shared, distributed infrastructure for developer tools - to fruition
- Assisted with takeover, maintenance, and phase-out of Iron (brittle and outdated internal distributed infrastructure for continuous integration)
- Created automated muxer for transitional distribution of continuous integration jobs between CloudExec and Iron
- Spearheaded metrics collection used to justify full replacement of Iron with CloudExec
- Drove effort to identify environmental errors encountered running Pants' build/compile/test on CloudExec

### **Software Developer** - *Sweeten (2015 - 2016)* - New York, NY

- Increased matching efficiency by writing recommendation engine utilizing both content-based and collaborative filtering
- Saved hours of manual QA testing by implementing RSpec/Capybara/Selenium test suite
- Scraped contractors' past project information from NYC DOB database using Nokogiri, leading to more robust matching data

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

- Worked with developers to test web-based applications and stored procedures
- Maintained a database of radioactive containers owned by the Dept. of Energy

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## EDUCATION

**UC Berkeley** - *Bachelor's in Applied Mathematics: Statistics (2015)* - Berkeley, CA

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## PROJECTS

### **Scoot/CloudExec** (Go, Python) [github](#)

*Shared, distributed infrastructure to make developer tools more effective, faster to write, cheaper to maintain, and easier to scale*

### **Sweeten** (Ruby on Rails, React.js, D3.js, Sass) [live](#)

*Web application for matching homeowners and their projects to general contractors*

### **SweetenApp** (Appcelerator Titanium, JavaScript)

*Mobile application for Sweeten's network of general contractors*

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

*Airbnb inspired app for commercial pop-up store rentals*