275 South St, Apt 19B • New York, New York • 10002
CELL (510) 520 - 0963 • **E-MAIL** r4couto@gmail.com

Ryan Couto

GITHUB • **LINKEDIN**

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SKILLS

Go, Git, Bash, Python, Continuous Integration, Jenkins, Distributed Systems, Ruby, Rails, JavaScript, HTML, CSS, SQL

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EXPERIENCE **Software Engineer II (Continuous Integration)** - *Twitter (2016 -)* - New York, NY
➔ Maintained CI jobs responsible for ensuring code health of monorepo with >20,000 targets, along with Jenkins infrastructure used for all other repos' CI suites
➔ Managed large jenkins fleet (>40 masters), including movement of jobs and executors across masters
➔ Led effort to automatically quarantine failing tests & compiles in monorepo CI test suite
➔ Contributed heavily to Bazel-API-compliant remote execution on Scoot
➔ Directly responsible for identifying causes and reducing difference in execution time for tests ran on Aurora/Mesos & CI vs locally
➔ Brought newly created distributed execution infrastructure to fruition, serving production traffic for all monorepo CI tests, through both open source & internally developed software
➔ Assisted with takeover, maintenance, and phase-out of brittle and outdated internal distributed infra for CI
➔ Created automated muxer for transitional distribution of CI jobs between newly developed & legacy CI infra
➔ Spearheaded metrics collection used to justify full replacement of legacy CI infra

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
➔ Created automated UI tests with HP QuickTestPro
➔ 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* - 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 clone for commercial pop-up store rentals