

Roger Miller

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Brooklyn, NY

[Linkedin](#) [Portfolio](#) [Github](#)

Experience

Software Engineer

September 2016 – Present

Sweeten

New York

- Planned and executed several complex, user-facing features for this award-winning renovation startup, including a scheduling system, a renovation budget calculator, and multiple admin-facing tools designed to improve productivity.
- Fixed 40+ bugs and issues affecting everything from data synchronicity with third-party invoicing applications, to location accuracy, Google Analytics processing and cookie storage.
- Refactored hundreds of lines of legacy code that was slowing down page load times and the performance of our proprietary matching algorithm.

Research Director

November 2015 – February 2016

ShadowTV

New York

- Produced dozens of branded data visualizations using JavaScript and D3.js for the marketing team by processing thousands of hours of TV data from the company's API.

Assistant Professor

June 2015 – September 2015

Columbia University

New York

- Taught Python, data analysis, web scraping and machine learning to 20 journalists.

Facebook Content Curator

February 2015 – July 2015

Pro Unlimited

New York

- Curated Facebook's global trending section by efficiently editing 50 stories a day.

Investigative Reporter

September 2014 – February 2015

Columbia University

New York

- Built Python web scrapers to pull and analyze data from New York government sources.

Projects

Open Julian

[Live](#)

- Rails app built to visualize real-time data sent from an array of arduino sensors through an API

Maze Rat

[Github](#) [Live](#)

- Uses JavaScript and Canvas to visualize maze generation and traversal algorithms.

Chess Command

[Github](#)

- Fast, clean command line interface for a two player chess game built in ruby.

Skills

JavaScript	Ruby	Python	SQL	HTML/CSS	Git
React	Rails	Flux	Data Analysis	Web Scraping	RSpec

Education

Columbia University Graduate School of Journalism (New York, N.Y.)

May 2014

- Completed Master's degree with a focus on data analysis, web scraping and reporting.

Saint Lawrence University (Canton, N.Y.)

2009-2012

- Bachelor of Arts majoring in English Literature and minoring in Biology.