

CONTACT



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(203) 898-2746



New York, NY

SKILLS

RUBY	SQL
RUBY ON RAILS	GIT
RSPEC	HTML5
JAVASCRIPT	CSS3
JQUERY	SALESFORCE
REACT	SURVEYGIZMO
FLUX	TABLEAU
REDUX	

EDUCATION

CORNELL UNIVERSITY

Bachelor of Arts, dual degree in Economics and Government, GPA: 3.7
2007 - 2011

TEACHER CERTIFICATION

Secondary Mathematics, Rhode Island
2011-2012

APP ACADEMY

Immersive Web Development Bootcamp
August 2016 - November 2016

SOCIAL



<http://samcross.website/>



<https://github.com/guitar71989>



<https://www.linkedin.com/in/sam-cross>



SAM CROSS

SOFTWARE ENGINEER

PROJECTS

Findaloo

Live | [Github](#)

- A single-page crowd-sourcing app to find/review New York City restrooms.
- Integrated Google Maps API with geolocation based searching to filter the index of nearby points of interest (loos) to improve user search experience.
- Cached prefetched data to reduce the number of queries from linear to constant Big-O Notation, safeguarding against potential performance issues.

Tetris

Live | [Github](#)

- Browser-based game built solely with JavaScript, custom jQuery library, HTML, and CSS.
- Employed single rotation algorithm for all shapes based on vector matrices.
- Built gravity function that increases logarithmically for smooth game play.

cinnaDOM

[Github](#)

- Light-weight library streamlines Vanilla Javascript DOM manipulation methods.
- Proved functionality by successfully implementing in Tetris game.

EXPERIENCE

CLIENT & COURSE OPERATIONS ASSOCIATE

ExecOnline, Inc. | New York, New York | September 2013 - June 2016

- Designed and executed an analytics strategy for monitoring and reporting program performance to illustrate to enterprise clients their ROI; reduced process time by 1,000% by automating data queries and syncing multiple data sources
- Managed relationships with IT departments of enterprise clients; achieved 100% technical readiness for all client companies.
- Streamlined new client enrollment process; automated workflows to remove manual process and greatly reduce average conversion time.

TEACH FOR AMERICA CORPS MEMBER

Providence Public Schools | Providence, Rhode Island | June 2011 - August 2013

- Led my class of juniors to achieve, on average, a 200-point increase on the math portion of the SAT; led my Geometry class to achieve, on average, three years of growth, during a semester-long course.
- Founded a Culture Committee, a faculty-led organization recognizing students for academic and civic achievement; increased honor roll students by 50% in only two quarters; motivated in classrooms around the school a culture of core values; academic excellence, intellectual grit, integrity, and citizenship.
- Over summer break, as a Leadership for Education Equity Summer Fellow, conducted resource analysis for Waterbury Public Schools - received raise during second summer.