

## CONTACT



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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

- 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

- Browser-based game built solely with JavaScript, jQuery, HTML, and CSS to ensure a seamless user experience
- Employed single rotation algorithm for all various piece shapes based on vector matrices.
- Deep focus and attention to object-oriented programming for clean code

### cinnaDOM

- Light-weight library streamlines Vanilla 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.