

# Joseph Katz

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## SKILLS

<b>Ruby</b>	<b>Rails</b>	<b>SQL</b>	<b>HTML5</b>	<b>CSS3</b>
<b>JavaScript</b>	<b>jQuery</b>	<b>React.js</b>	<b>Redux</b>	<b>Git</b>

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## PROJECTS

**Sole Developer, Medium-Cup-Of-Joe** (*Rails, React.js, Megadraft.js*) | [live](#) | [github](#)

- Incorporated third party APIs to allow users to enter rich text stories and convert the state of the editor to sanitized HTML code.
- Used AJAX requests to incorporate feeds, comments, and likes to provide users seemingly instantaneous feedback.

**Front End Engineer, Chess** (*Ruby*) | [github](#)

- Utilized DFS to display only the legal moves available for a selected piece to maximize user satisfaction.

**Front End Engineer, Blips** (*JavaScript, EaselJs*) | [live](#) | [github](#)

- Integrated the EaselJs library to simulate gravity and manipulated the DOM to add listeners for certain keystrokes.
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## EXPERIENCE

**iOS Instructor - iD Tech, Stanford** 2016

- Held lectures that introduced essential programming concepts such as inheritance and loops in the Swift programming language to groups of 8.
- Earned a 4.6 out of 5 in student satisfaction during my last cohort.

**Data Structures Tutor - NYU** 2015 - 16

- Used Java to introduce fundamental data structures to over 75 college students.
- Analyzed the types of questions asked and offered suggestions to the professor as to which concepts to review during the next lecture.

**iOS Developer - Rainbow Resources** 2014 - 15

- Used the Parse API to store data and used local storage to reduce the number of requests to the backend by a factor of 5.
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## EDUCATION

**App Academy** 2016

- Intensive web development training program emphasizing pair programming.
- Teaches full-stack web development: Rails, SQL, JS, React, and design patterns.

**New York University - B.A. Mathematics (Cum Laude)** 2013 - 16

- Curriculum Highlights - Algorithms, Computer System Organization, Data Structures
- Minor in Computer Science

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