

# Joseph Katz

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## SKILLS

<b>Ruby</b>	<b>Rails</b>	<b>SQL</b>	<b>HTML/CSS</b>	<b>Java</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*) | [live](#) | [github](#)

- Incorporated third party APIs to allow users to enter rich text stories and convert the state of the editor to safe injectable HTML code.
- Implemented features such as feeds, comments, and likes to foster interaction amongst users and generate an increase in website traffic.

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

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

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

- Integrated the Matter.js 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 programming essential 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**

- Reviewed topics covered in previous semester, including FileIO and OOP in Java.
- Scrutinized over 75 students' code and offered suggestions for how to keep it DRY when harnessing the fundamental data structures.

**iOS Developer - Rainbow Resources**

**2014 - 15**

- Infused meta-programming to increase code readability and reduce the required number of view controllers.

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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)**

**2016**

- Curriculum Highlights - Computer Simulation, Linear Algebra, Algorithms, Computer System Organisation, Data Structures
- Minor in Computer Science

**LINKEDIN** [linkedin.com/in/josephkatz](https://www.linkedin.com/in/josephkatz) • **GITHUB** [github.com/cooljoe95](https://github.com/cooljoe95)