

# Michael Ren

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🏠 City: New York, NY

## Projects

### **Sonatify [Rails, ReactJS, Redux]**

**Sole Developer** | [Live](#) • [GitHub](#)

*Single-page web application inspired by Spotify, built on Ruby on Rails and React using Redux*

- ❑ Integrated a React context-menu library to simplify user interaction with songs and playlists.
- ❑ Applied CSS over an HTML audio tag for a more aesthetic playback experience.
- ❑ Architected data flows using Redux for seamless navigation and playback across site.

### **DataBanks [Ruby, SQL]**

**Sole Developer** | [Live](#) • [GitHub](#)

*Lightweight ORM implemented in Ruby for use with SQL*

- ❑ Implemented core functionality to perform database queries using method calls.
- ❑ Enabled users to provide names and options hash when setting associations.
- ❑ Employed search functionality by id and attributes for more robust querying.

### **Smoot [Javascript, HTML5 Canvas]**

**Front End Engineer** | [Live](#) • [GitHub](#)

*Browser game inspired by the 90's classic, Snood*

- ❑ Utilized the ES6 language specification and Babel to transpile to ES5.
- ❑ Implemented coordinate trigonometry to translate mouse position to shooting angle.
- ❑ Designed with invisible placeholders for ease of snapping balls to the grid upon impact.

## Skills

|               |             |       |      |     |         |
|---------------|-------------|-------|------|-----|---------|
| Ruby          | JavaScript  | React | HTML | Git | Node.js |
| Ruby on Rails | Hyperledger | Redux | SQL  | CSS | jQuery  |

## Education

### **App Academy**

**December 2016-March 2017**

1000-hour Full-Stack Web Development Course with < 3% acceptance rate New York, NY

- ❑ Acquired skills in: TDD, scalability, algorithms, OOP, coding style, single-page apps, and web development best practices.

### **Queens College, City University of New York**

**August 2015-December 2016**

BA in Linguistics with Honors, 3.9 GPA

Queens, NY

### **College of Engineering, Cornell University**

**August 2012-December 2013**

Undergraduate Studies in Engineering

Ithaca, NY

- ❑ Curriculum Highlights: Discrete Mathematics, Data Structures, Networks, Linear Algebra, Statistics

## Work History

### **Software Developer, Blockchain**

**July 2017-Present**

Global Business Services, IBM

New York, NY

- ❑ Enforced data standards across multiple clients in scaling blockchain solutions.
- ❑ Engaged with clients' technical resources to integrate into blockchain technologies.
- ❑ Implemented programs to automate traceability QA between network participants.

### **Web Experiment Developer**

**August 2016-December 2016**

Queens College, City University of New York

New York, NY

- ❑ Designed reusable web-based experiments using jsPsych to consolidate research efforts and expedite data collection.