Michael Ren

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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-August 2018
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.