Daniel Rothblatt

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Projects

Singuist (Rails, PostgreSQL, JavaScript, React/Redux)   Live ◊ Github
A full-stack, single-page application inspired by Genius

- Provides streamlined user experience with custom React components
- Redux architecture ensures maintainability and scalability of project
- Uses a finite-state automaton to efficiently associate annotations with song lyrics

ActiveRecordLite (Ruby)   Live ◊ Github
Object-relational mapping inspired by ActiveRecord

- Uses Ruby metaprogramming to reduce boilerplate and improve readability of code
- Generates model classes from database tables
- Associations automate complex SQL queries

Boom Boy (Javascript, EaselJS)   Live ◊ Github
Strategic competitive multiplayer action game

- Randomly generates stages with destructible obstacles
- Accepts inputs from multiple human players
- Implements AI with location-sensitive randomized pathfinding

Skills

Ruby ◊ Ruby On Rails ◊ JavaScript ◊ JQuery ◊ React ◊ Redux ◊ SQL ◊ Git ◊ HTML5 ◊ CSS3 ◊ Common Lisp ◊ Scheme ◊ Python ◊ C

Experience

Annalect ◊ New York, NY   **July — August 2016**
Data Science Apprentice

- Extended Python framework by automating complicated SQL queries to allow for more user-friendly database queries
- Tested framework carefully to ensure a reliable, bug-free experience

Education

App Academy ◊ New York, NY ◊ March — May 2017
Rigorous full-stack web development course ◊ acceptance rate < 5%

University of Chicago ◊ Chicago, IL ◊ September 2011 — June 2015
BA Linguistics, 3.41 GPA
Relevant coursework: Introduction to Computer Science I & II, Discrete Mathematics, Theory of Algorithms, Computational Linguistics, Mathematical Foundations of Linguistics