

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
- Uses a finite-state automaton to efficiently associate annotations with song lyrics

Boom Boy (Javascript, EaselJS) [Live](#) ♦ [Github](#)
Strategic competitive multiplayer action game

- Uses Easel.js to easily render dynamically changing board
- Accepts inputs from multiple human players using individualized objects mapping keys to directions
- Implements AI with location-sensitive randomized pathfinding

Catwalk (Ruby) [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

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