

Kevin Dolch



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Projects

[MusicGenius](#) | [github](#)

Web App inspired by Rap Genius built with Ruby on Rails and React.js/Flux

- ★ Uses React event handling to allow users to add songs and annotations in a single-paged app
- ★ Implements fuzzy search using edit distance to locate songs even with misspellings
- ★ Utilizes JSON API in accordance with RESTful design principles to communicate between backend and frontend

[Pong+](#) | [github](#)

JavaScript game inspired by Pong built using HTML Canvas and HTML Audio

- ★ Provides a variety of powerups, altering parameters such as ball speed, paddle size, and paddle speed
- ★ Detects collision through intersection of the paddle's and ball's coordinates

Chess | [github](#)

Console-based game written in Ruby

- ★ Utilizes object-oriented principles to break movement logic into categories to make code more modular
- ★ Employs check and checkmate using King's positioning and other pieces' move possibilities

Skills

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Flux, SQL, Git, HTML, CSS, Python, Django

Education

App Academy San Francisco, CA January – March 2016

Full-Stack Web Development Course <5% Acceptance Rate

Rensselaer Polytechnic Institute, Troy, New York

BS Mathematics (2012)

- ★ Coauthor of *A Model for Tempo Synchronization in Music Performance* published in SIAM Journal on Applied Mathematics

Experience

Dressometry | New York, New York

December 2016

Web Development Contractor

- ★ Designed CRUD functionality for Django REST API
- ★ Implemented frontend widget to allow storage of data from CSV files in Django backend

Brooks Brothers Factory Outlets | Central Valley, New York

November 2011-December 2015

Sales Associate

- ★ Arranged department inventory of 1000 units of suits and dress shirts to meet department design standards
- ★ Displayed excellent customer service skills to make \$10,000,000 store yearly sales goal: a top 5 sales plan in the company



<https://github.com/kevindolch>



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