Gabriel **McDonald**

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GitHub   LinkedIn

SKILLS

Ruby	**Python**	**Lisp**	**Rails**	**JavaScript**	**jQuery**	**Haskell**
CSS	**Flux**	**SQL**	**Git**	**HTML**	**React.js**	**RSpec**

PROJECTS

StoneCloud - Full stack music app inspired by SoundCloud   Live | GitHub
Ruby on Rails, Postgres, AWS, React/Redux

- Generates custom waveforms using the wavesurfer JavaScript library which track playback progress, sound frequency, and allow track navigation.
- Synchronizes play/pause buttons, waveforms and progress bar by appending the track ID to the HTML element ID's.
- Protects track and profile editing/deletion with back end user authentication built with the BCrypt gem for Rails.

Droog - Audio visualizer   Live | GitHub
JavaScript, HTML5, CSS3

- Uses the HTML5 web audio API to extract frequency data from audio input and passes data to the d3 Javascript library to dynamically render visual representations of that data.
- Audio analyzer can receive input from either an uploaded audio file or user microphone input via HTML5's MediaDevices interface.

ShallowBlue - Chess program for text-based terminal applications   GitHub
Python

- Intuitive, user-friendly interface rendered using Python's version of the C ncurses library.
- Supports special moves such as castling and pawn capture *en passant*.

EDUCATION

App Academy - New York, NY   **(February - May 2017)**
Full Stack Web Development Course, acceptance rate ~ 3%

Syracuse University - Syracuse, NY   **(2013 - 2017)**
Graduate study in Philosophy and Linguistics (M.A. anticipated) - 3.96 GPA

University of Notre Dame - Notre Dame, IN   **(2008 - 2012)**
B.A. cum laude in Philosophy - 3.72 GPA

EMPLOYMENT

Philosophy Department, Syracuse University   **(2013 - 2016)**
Graduate Teaching Assistant

- Organized full course curriculum for several undergraduate classes, most notably formal logic, a prerequisite for all of the university's computer science classes.

- Responsible for choosing all material to cover, giving lectures, and composing/grading all tests and homework exercises.

Leapforce, Inc.   **(2012 - 2013)**
Search Engine Evaluator
- Evaluated relevance of search results returned for given queries, helping refine the search algorithm and improving user experience by filtering out irrelevant or poor-quality results.