

# Gabriel McDonald

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[Portfolio](#)



[GitHub](#)



[LinkedIn](#)

## SKILLS

Ruby  
CSS

Python  
Flux

Lisp  
SQL

Rails  
Git

JavaScript  
HTML

jQuery  
React.js

Haskell  
RSpec

Java

## 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*

- Extracts frequency data using the HTML5 web audio API and passes it 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

## EXPERIENCE

**Philosophy Department, Syracuse University**

(2013 - 2016)

Graduate Teaching Assistant

- Organized full course curriculum for several undergraduate classes, 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.