Michael Noel

803 W 180th St. ◆ New York, NY ◆ 10033
miphnoel@gmail.com
(203) 651 - 9760

Portfolio | GitHub | LinkedIn

Projects

Capebook   (React.js & Redux, Ruby on Rails, PostgreSQL)   Live | GitHub

A full-stack social media application inspired by Facebook
- Implemented custom friendship with self-referential join table and two switch statements to dynamically render profile components based on friendship status.
- Efficiently fetched timelines through complex query with eager loading of associated comments and user information.
- Maximized scalability through cloud image storage with AWS.

TuneLoop   (JavaScript, CSS, Tone.js)   Live | GitHub

Interactive music sequencer
- Constructed and manipulated all HTML elements with custom WizzDOM library
- Created nested map to dynamically shift pitch modality in constant time
- Maintained metronomically perfect synchronicity between visual and audio output by scheduling events in advance with AudioContext time.

WizzDOM   (JavaScript)   GitHub

A lightweight DOM interaction library
- Created wrapper function with nested conditionals to handle multiple data types, maximizing flexibility while maintaining streamlined API.
- Added event key to each node when creating event listener on the collection, allowing for simplified user input and flexible event listener removal
- Implemented Promise functionality with simplified AJAX request syntax for conditional method invocation upon response status

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Skills

| Ruby | React.js | Flux | jQuery | HTML5 | JavaScript |
| Rails | SQL | Git | RSpec | CSS3 | AJAX |

Education

App Academy   May - July 2017
- 1000-hour full-stack web development intensive with <3% acceptance rate.
- Thorough training in OOP, pair programming, data structures and algorithms.

George Washington University   2009 - 2013
- Bachelor of Arts in Music, minor in Economics

Experience

Musician   2013 - 2017

Vocalist / Pianist / Teacher
- Performed at Lincoln Center, Carnegie Hall, Kennedy Center, White House

Head Server / Bartender   2013 - 2016

Ippudo, NY / Pop Pub
- Managed schedules, tip allocation, training, and testing of 20 dinner servers
- Won three quarterly sales competitions between all 30 servers