



Tom MacLean

Software Engineer

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Technical Projects

MeetInTheMiddle ([demo](#))

Help three friends decide on the best bar or restaurant at which to meet

- Designed and created a **RESTful API** that realtime calculates a midpoint based on three user-inputted addresses
- Used **React-Redux** principles and hooks with reusable components
- Encrypted passwords with **bcrypt** and employed authentication and authorization with JWT tokens
- Returned results from the **Google Maps API** based on calculated midpoint
- Used **CSS3** to style

GenreFluid ([demo](#))

Create Spotify playlists and share with other users

- Built **Ruby on Rails** RESTful backend with endpoints for DJs (users) and playlists
- Accessed song and playlist information from the **Spotify API**
- Allowed users to preview songs using `mp3_player` gem
- Added **CRUD** functionality for DJs and playlists
- Used Bootstrap to style views

CyclistCount ([demo](#))

Visualize data collected from NYC Open Data showing daily cyclist count

- Converted csv data to JSON from an open-source NYC Open Data API to access bicycle traffic over East River bridges.
- Created an interface for visualizing each day along with daily rainfall.
- Deployed build to **Heroku**

Skills

- JavaScript, ReactJS, Rails, HTML5, jQuery, CSS3, GSAP, Git, Yeoman, Wordpress
- Frontend Development, Project Management

Employment History

Freelance Audio Engineer

2013 - present

- Assisted with **engineering and mixing** for rapper Consequence (Kanye West, A Tribe Called Quest) on his forthcoming album
- Produced music for Filipino rapper Pochoy Labog that received **120k+ streams**

John Marshall Media, Project Manager

2016-2019

- Created **strong client relationships** at the largest independent audiobook producer with publishers (Harper Audio, Random House, etc)
- Created **new on-boarding documentation** system to train 30 in-office and remote employees

Whole Foods Market, Supervisor

2012-2016

- Managed **teams of up to 10 members** at the flagship Gowanus, Brooklyn store
- Broke one day **department sales record** (*as of May 2016*)

Education

Flatiron School

Full Stack Software Engineer, Immersive 2019

Berklee College of Music

Diploma, Music Production & Engineering 2011 - 2014

Quinebaug Valley Community College

AS, Computer Networking 2004-2008