

# Marc Ferraro

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## FULL STACK WEB DEVELOPER

Software engineer with an eight year background in dance teaching, choreography, and performance. Experienced communicator and improviser who thrives while adapting to changing environments.

## TECHNICAL SKILLS

Javascript, React, Ruby, Ruby On Rails, Redux, CSS3, HTML5, Material UI, Bootstrap, Sinatra, Git, SQL, Amazon S3

## TECHNICAL PROJECTS

### Waveforming - [Frontend](#) / [Backend](#) - [Demo](#)

A generative art platform utilizing Maxim Gumin's [wave function collapse](#) algorithm. Users can create, share, and propagate art.

- Created with a React frontend with Redux and a Rails API backend.
- React frontend utilizes hooks and functional components.
- Secure authentication with JSON Web Tokens and BCrypt to store encrypted user information client-side.
- Implemented Carrierwave with Amazon S3 to persist and show photos.

### GeoHunt - [Frontend](#) / [Backend](#)

A location guessing game based on google maps API created in a team of three.

- Utilized google maps API to create an interactive, searchable interface.
- Single page webapp with Javascript frontend, Rails API backend.
- Styled with Bootstrap.

### SampleBox - [Frontend](#) / [Backend](#)

A library for musicians to store, find, and playback audio samples.

- Built with a React frontend with Redux and a Rails API backend.
- Tagging system to quickly search sample library
- Audio uploading and storing with carrierwave

## Publication

### Codex

[Win All Your Arguments With Ruby's Splat Operator](#)

Medium  
2021

## EXPERIENCE

### Contact Improvisation Teacher

Dance Instructor / Supervisor

Chicago, Illinois  
2018-2020

- Led contact improvisation classes and guidelines for beginners and experienced dancers
- Supervised wellbeing / safety of participants

### Ballroom Dance Chicago

Dance Instructor

Chicago, Illinois  
2018

- Instructed private and group lessons to a diverse range of clients with a focus on customer service.
- Choreographed lessons and wedding dance choreography.

### Bearnstow

Artist in Residence, Instructor

Mt. Vernon, Maine  
2017

- Taught classes, community workshops and choreographed performances
- Managed kitchen and campgrounds

## EDUCATION

### Flatiron School

Full Stack Web Development

Chicago, Illinois  
Graduated 4/2021

### Kenyon College

Bachelor of Arts, Dance

Gambier, OH  
Graduated 5/2017