

# Michael Corrieri, MPH

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## SOFTWARE ENGINEER

Passionate software engineer with a background in Public Health and experience building full stack applications with JavaScript, React, Ruby, Rails, Redux, various database types, and RESTful API architecture. Demonstrated ability to develop and integrate solutions for clients while working with cross-functional teams in an agile environment. Determined to build quality applications by improving collaborative data sharing and utilization of new technologies.

## TECHNICAL SKILLS

JavaScript, React, Ionic, Redux, Ruby, Ruby on Rails, MongoDB, Firebase, Express, Node.js, Postgres, SQL, Heroku, Netlify, HTML, CSS, Bootstrap, Semantic UI, Material-UI, JWT Auth, Git, GitHub, Chart.js, Three.js

## TECHNICAL PROJECTS

### Fishy

[GitHub](#) | [Demo](#)

*Craigslist-based app for selling, buying and learning about fish*

- ❖ Provided smooth user functionality via React by way of single page application
- ❖ Cultivated an eye catching user experience using Semantic UI React framework and custom CSS
- ❖ Used JWT Authentication to ensure legitimate login and user verification process

### Memories Creator

[Frontend](#) | [Backend](#)

*Create, update and delete memories for friends*

- ❖ Utilized React to update specific DOM elements for fast component modification
- ❖ Facilitated user interaction and full CRUD functionality using the MERN stack

### COVID-19 Vaccine Analysis

[GitHub](#) | [Demo](#)

*A public health inspired app which graphically represents vaccination rates in the US*

- ❖ Employed React Chart JS to display CSV data associated with unique state vaccine allocation over COVID-19 pandemic
- ❖ Executed various Active Record customized methods to query and retrieve appropriate indexes quickly and efficiently

## PROFESSIONAL EXPERIENCE

### The Coding Space

New York, NY

Coding Instructor

2021 – Current

- ❖ Taught students the basic principles of computer programming via Scratch and Javascript using the Socratic method and scaffolding

### Kynoch Environmental Management

Chevy Chase, MD

Industrial Hygienist

2019 – 2020

- ❖ Worked alongside Project managers, Superintendents and other site supervisors to assess and manage environmental and occupational health hazards
- ❖ Created/updated moisture control logs and technical reports based on client requirements
- ❖ Conducted indoor air quality (IAQ) sampling and analyzed lab results

## EDUCATION

### Flatiron School

New York, NY

Full Stack Software Engineering Bootcamp (HTML, CSS, JavaScript, React, Ruby, Rails)

June 2021

### Louisiana State University Health Sciences Center

New Orleans, LA

Master of Public Health (4.0 GPA)

May 2019

### University of Maryland, College Park

College Park, MD

Kinesiology B.S.

December 2014