

# Michael Corrieri, MPH

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## SOFTWARE ENGINEER

Passionate, innovative developer with a background in Public Health and experience building full stack applications with JavaScript, React, Ruby, Ruby on Rails, Redux, Relational/Document databases, 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 provide quality products 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

### 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

### AgriSafe Network

Covington, LA

Environmental Health Intern

2018 – 2019

- ❖ Compiled/analyzed data to create a wildfire health risk project which was presented and published
- ❖ Reviewed and assessed environmental health plans and programs applied to agricultural communities

## EDUCATION

### Flatiron School

New York, NY

Full Stack Software Engineering Bootcamp (JavaScript, React, Ruby, Ruby on 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