

# JOCHEBED MADUAGWU

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Github <https://github.com/jomaduagwu> | Portfolio <https://jomaduagwu.github.io/react-portfolio/>

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## SUMMARY

Full Stack Web Developer transitioning from a career as an Epidemiologist, equipped with a diverse background in data analysis and now focused on enhancing web applications and debugging. Recently completed a Full Stack Development certificate program. Proficient in collaborating with cross-functional teams to deliver impactful projects, ensuring precision and quality. Excited to contribute creativity and skills to web development projects, aligning with teams that prioritize excellence. Over 5 years of experience in data-driven decision-making and impactful collaborations.

## TECHNICAL SKILLS

HTML, CSS, JavaScript, React, Node.js, Express.js, jQuery, Bootstrap, MongoDB, MySQL

## PROJECTS

**Houston Hot Spots** - GitHub <https://bit.ly/3PcD1Bu> | Deployed App <https://bit.ly/44oheev>

Summary: A Houston activity finder application

Tools: JavaScript, Bulma CSS, Google Maps API

Role: Front-end designer

**Google Book Search** - GitHub <https://bit.ly/45n29eJ> | Deployed App <https://bit.ly/3KUBVbi>

Summary: A Google Books API search engine

Tools: GraphQL API, Apollo Server, JavaScript, ExpressJS, MySQL, Google Books API

Role: Sole author

**Note Taker** - Github <https://bit.ly/45f2sbn> | Deployed App <https://bit.ly/3KVVL65>

Summary: An application to quickly and easily write and save notes

Tools: JavaScript, ExpressJS, NodeJS

Role: Sole author

## EXPERIENCE

### Kansas Department of Health

Remote

*Quality Assurance Supervisor*

January 2022 - May 2023

- Led and directed a high-performing team of 20+ case investigators, conducting comprehensive COVID-19 case surveillance investigations of Kansas residents, ensuring accurate data collection and timely reporting.
- Delegated an average of 200 cases daily and ensured appropriate documentation of all information gathered during case interviews.
- Achieved and maintained a 98% compliance rate by conducting weekly feedback sessions and providing targeted coaching, resulting in improved quality performance metrics.

### Harris County Public Health

Houston, TX

*Epidemiologist and Contact Tracing Supervisor*

March 2020 – January 2022

- Managed 3 multidisciplinary teams with 60+ members. Led COVID-19 case surveillance, contact tracing, and facility assessments in high-risk settings, achieving a 15% reduction in transmission rates.
- Developed and delivered comprehensive updates and insightful reports, highlighting the team's operational achievements; enabled data-driven decision-making and facilitated continuous improvement efforts.
- Advised and guided 20+ employers and businesses on implementing vital COVID-19 measures, driving strategic decision-making.
- Implemented and maintained a comprehensive quality assurance framework to monitor performance and SOP compliance for contact tracing and case investigations; achieved a 30% reduction in errors.
- Collaborated with epidemiologists and other supervisors in establishing priorities for case investigations and contact tracing; developed workflows for quality assurance, daily reports, and contact tracking.

Edgewood College

Lagos, Nigeria

*National Youth Service Corps Member (one-year compulsory community service)*

July 2017 – June 2018

- Recruited 150+ students for entrance exams, yielding a 97% increase in applications.
- Spearheaded a college fair with 21+ institutions, fostering connections and raising awareness.

### **Hamilton County Public Health**

**Cincinnati, OH**

*Maternal and Child Health Epidemiologist*

August 2016 – June 2017

- Conducted Perinatal Periods of Risk Analyses (PPOR), identifying critical high-mortality periods. Implemented targeted interventions, leading to a 24% county-wide infant mortality reduction.
- Translated findings into actionable reports on intervention progress, driving a 25% improvement in intervention effectiveness.
- Created geospatial visualizations to pinpoint high-risk regions, guiding targeted interventions and resource allocation for improved community health.

### **Diabetes Translational Research Center – IU School of Medicine**

**Indianapolis, IN**

*Research Assistant*

October 2014 – July 2016

- Analyzed demographic, health habits, and diabetes knowledge data from a pool of 107 conference attendees using SPSS. This data-driven assessment strategically informed enhancements to conference structure and content, resulting in a more impactful and tailored experience for participants.

### **Jump IN for Healthy Kids**

**Indianapolis, IN**

*Epidemiology Intern*

June 2015 – October 2015

- Conducted SAS-based baseline analysis, revealing a 43% childhood overweight/obesity rate in the 8-county region of central Indiana.
- Created a comprehensive 2015-2025 Sampling Plan Manual, empowering stakeholders with data-driven insights to monitor child overweight/obesity trends, leading to informed decision-making and target interventions.

## **EDUCATION**

### **Certificate in Full Stack Web Development**

Rice University

**February 2023 - August 2023**

Houston, TX

### **Data Analytics Bootcamp**

Thinkful

**October 2019 - February 2020**

Houston, TX

### **Master of Public Health in Epidemiology**

Indiana University-Purdue University Indianapolis

**August 2010 - May 2016**

Indianapolis, IN

### **Bachelor of Science in Biochemistry**

Calvin College

**August 2014 - May 2014**

Grand Rapids, MI