

IKENNA NWAJAGU

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SUMMARY

Ambitious Full Stack Software Developer with an extensive Mathematics background and a life-long dedication to learning and self-improvement. Strong passion for writing clean code and creating effective and useful user-friendly applications.

KEY SKILLS

Technical:

Front-End Language: JavaScript, React, HTML, CSS, Handlebars, Bootstrap/Materialize, jQuery

Back-End Language/Databases: Node.js, Express, RESTful API, MySQL, Sequelize, MongoDB, Mongoose

Other: Git, GitHub, Command Line, Heroku, Agile, Scrum, Wireframe, Trello

Non-technical: Communication, Teamwork/Collaboration, Problem Solving, Project Management, Instructional

PROJECTS

Business Ideas Forum App | Full-Stack Engineer | GitHub: <https://bit.ly/39tVTpk> | App: <https://bit.ly/3f1z1OY>

- Full Stack Web Application that allows entrepreneurs to record their ideas in a user forum, where other entrepreneurs can provide feedback, answer questions, or direct them to various resources
- *Role:* Focused primarily on the backend where Node and Express were utilized as the server-side tools to make the app functional. Also provided some help on the front end with React Context APIs and state management of the app.
- *Technologies Used:* React, Custom CSS & Bootstrap, Rest API, Express.js, Node.js, MongoDB (Mongoose ORM), Authentication Middleware (Passport.js/bcrypt), Git, Heroku, Trello, Wireframe

Manhattan Munchies App | Lead Frontend Engineer | GitHub: <https://bit.ly/3eZaxWS> | App: <https://bit.ly/2C5IXZW>

- A web application meant for anyone on a budget in New York City that wants to experience excellent cuisine. This application uses jQuery AJAX calls to dynamically populate HTML with data on restaurants from Zomato API.
- *Role:* Implemented the Zomato API and used it to retrieve useful restaurant data dynamically displayed using JavaScript
- *Technologies Used:* HTML, CSS (Bootstrap/UIKit), JavaScript, jQuery, Git, Third Party API

WORK EXPERIENCE

Digital Pioneers Academy, Washington, D.C | Computer Science/Math Instructor | September 2020 – Present

- Implement effective teaching techniques/strategies and differentiated instructions for scholars
- Contribute to the design, delivery, and future planning and development of the school's IT curriculum

Capital Prep Harbor School, Bridgeport, CT | Upper School Math Illuminator | August 2017 – September 2020

- Designed and implemented differentiated lesson plans that incorporates Algebra II, Pre-Calculus, and Calculus content
- Lead and orchestrated an afterschool program that helped scholars improve on their Math MAP scores over the academic year on average by 75%

Ohio University Math Department, Athens, OH | Graduate Teaching Assistant | August 2015 – May 2017

- Lead Instructor for College Algebra and Calculus courses for undergraduate students
- Structured and designed exams to assess student's mastery of curriculum content

Achievement First, New Haven and Bridgeport, CT | Math Teacher and Tutor | September 2013 – June 2015

- Implemented various teaching techniques and differentiated instructions
- Created an afterschool program to help struggling scholars improve on their basic math skills
- Successfully increased pass rates on standardized testing by 80% for 6th grade, 70% for 7th grade, and 90% for 8th grade

EDUCATION

University of Connecticut Stamford, CT | Full Stack Software Development Bootcamp | July 2020

Relevant Coursework: Objected-Oriented Programming (JavaScript), Intro to Data Structures & Algorithms, Full-Stack Web Development

Ohio University Athens, OH | Master of Science, Major: Applied Mathematics; GPA: 3.3 | May 2017

Relevant Coursework: Advanced Calculus, Linear Optimization, Discrete Optimization, Numerical Analysis, Advanced Differential Equations

Fairfield University Fairfield, CT | Bachelor of Science, Major: Mathematics; Math GPA: 3.51 | May 2013

Relevant Coursework: Calculus I – IV, Discrete Mathematics, Intro to Computer Programming, Linear Algebra, Real Analysis