

# Obioma Anokwuru

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## Education

### BROOKLYN COLLEGE

M.S Computer Science (Major in Computation)

GPA: 3.67

Brooklyn, NY

Sept. 2023 – May. 2025

### ADELEKE UNIVERSITY

B.S Computer Science

Ede, OSUN

Sept, 2018 – Dec, 2022

**Relevant Courses:** Analysis of Algorithms, Theoretical Computer Science, Artificial Intelligence, Programming Language & Compilers, Database Systems, Software Methodology, Computer Architecture, Computer Architecture

## PROFESSIONAL BACKGROUND

### Brooklyn College

Software Engineer

Brooklyn, NY

Feb/2025 – May/2025

- Built a LISP-based expert system for medical diagnosis, implementing over 50 diagnostic rules and achieving 87% test accuracy across 70 simulated patient cases.
- Utilized forward and backward chaining algorithms to drive the inference engine, reducing average diagnosis time to under 3 seconds per case.
- Developed a rule-matching engine using recursive symbolic reasoning, handling 20 symptom inputs per session with robust pattern-matching performance.
- Created a command-line interface with real-time input/output handling, enabling interactive diagnostics with 0% system downtime during demonstrations.

### Brooklyn College Brooklyn, NY Full-stack Developer May,2024 – sept,2024

- Developed and maintained an IQ test web applications using React.js, enhancing performance and user experience across desktop and mobile platforms.
- Implemented reusable component-based architecture with React Hooks and Context API, reducing code redundancy by 35% and improving maintainability.
- Integrated RESTful APIs and managed asynchronous data flow using Axios and Redux, resulting in a 20% faster data retrieval and rendering time.
- Created and deployed a cloud-based application on AWS, demonstrating expertise in cloud computing infrastructure as code, and server less architecture.

### Beta Computers Ltd Lagos, NG Software Engineering Intern Feb/2022 – Aug/2022

- Contributed to the design and prototyping of 5 custom computer hardware components, gaining hands-on experience with PCB design tools such as Altium Designer and manual fabrication techniques.
- Assisted in testing over 30 hardware units for functionality, reliability, and compatibility, achieving 95% pass rate in compliance with IEEE and ISO standards.
- Utilized simulation tools like SPICE and MATLAB to validate circuit designs, identifying and resolving 20+ potential circuit faults before fabrication, reducing debug time by 30%.
- Collaborated with a team of 4 engineers to streamline the testing workflow, leading to a 15% reduction in hardware validation time.

## Technical Skills

**Programming Skills:** Java, Html, CSS, JavaScript, Python, React, React native, C#, LISP, SQL, THREE.js, Next.js, Typescript, MongoDB, Express, Node.js.Chart.js, Socket.io

**Software:** Unity, Unreal Engine, Photoshop, Godot, MATLAB, PostgreSQL, EMACS, SLIME, Vs code.

## HONORS & AWARDS

- Recipient – Dean's List –Fall, 2023 – Spring, 2025
- Certifications – Python Zero to Hero Udemy, C++ Zero to Hero Udemy, Front-End Introduction Coursera