

Enyinna Nwala

PROFESSIONAL SUMMARY

Highly talented Software developer and Embedded Software Engineer with plethora of skills in software and hardware systems, experienced in IOT systems and full stack web development. He has a proactive attitude and a strong work ethic. He possesses many transferable skills that can be used in a wide section of settings and industries. He is now looking for a position as Front-End Developer in an organization that would offer him a uniquely varied and fascinating working environment.

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HOUSE 12/161 (N) CRESCENT
PHASE II, LUGBE FCT, NIGERIA.

WORK HISTORY

Mavis

Front-End React Developer- FCT, Nigeria.

September 2022 – till Date

- Developed in an AGILE team a highly optimized learning platform for children (Biamuta.com).
- Built with ReactJs and Redux includes many games and learning exercises.

Innov8 Hub

Embedded Software Engineer- FCT, Nigeria

April 2022 – January 2023

- Developed an automatic irrigation system with multi-point nodes, a control unit with LCD display using Embedded C, ESP32 using ESPNow.
- Designed an autonomous line following robot with Multiple infrared sensors using Arduino and Embedded C.
- Designed a Bluetooth RC car controlled using any mobile phone.
- Designed and Implemented software for an automated mushroom farm.

Robosys-Labs

Front-End React developer

October 2021– January 2022

- Part of a team developing a curriculum-based online learning platform for Nigerians trying to build a career in tech using HTML, CSS and JavaScript.

CypherCrescent Limited

Intern, Mathematics and Research department

June 2019 to January 2021

- Acquired complete understanding of the fundamentals of computer programming with C#.

SKILLS

Languages and Frameworks:

- Embedded C
- Arduino
- C++,
- Computer Numerical Control, G-code, M-Code
- HTML,
- JavaScript,
- React
- Redux
- NodeJS
- MongoDB
- C#
- Git, GitHub
- Onshape

Software and Systems:

- MATLAB
- Figma
- Microsoft Word,
- Excel,
- PowerPoint,
- LINUX

SOFT SKILLS

- Quick learner
- Analytical
- Dependable
- Attention to detail
- Motivated & enthusiastic
- Strong work ethic

WORK HISTORY

- Gained sufficient understanding of the principles of various data structures including trees and graphs.
- Gained sufficient understanding of linear algebra and its applications
- Wrote a linear algebra mathematical library using C# for solving various forms of linear equations.
- Developed a circuit simulation application for simulating basic electronic circuits.

PROJECTS

Linear Algebra Math Library

- Wrote a linear algebra mathematical library using C# for solving various forms of linear equations.
- Wrote a robust algorithm to carry out LU factorization to solve any linear system of equations in seconds.

Circuit Simulation library

- Developed a circuit simulation application for simulating basic electronic circuits.
- Using graph data structure and the linear algebra math library a designed a simulation engine to display current and voltage through any circuit with linear elements.

Audio Surveillance System

- Collaborated in a team of two in the development of a real time sound detection, notification and audio streaming system using ESP NodeMCU microcontroller.
- A microphone gets audio data from 100m radius the microcontroller processes it and sends it to a NodeJS express server using Wi-Fi. users can then stream and listen into the audio through a website.
- The system also analyses the audio and sends a notification to Blynk IOT platform to notify the user through their mobile phone of any suspicious noise.

Courier Hailing Website

<http://emissar.netlify.app/>

- Developed a courier service hailing website using React front end framework and NodeJS..
- The website allows user to request for a courier service around them to deliver goods for them to any destination

EDUCATION

B.Eng: Electronic Engineering

University of Nigeria Nsukka

September 2015 - June 2021

GPA: 4.22/5.0

O'level Certificate

- School for the Gifted
Gwagwalada Abuja
September 2012- June 2015
- Christ the King College
Gwagwalada Abuja
September 2009- June 2012

HOBBIES

- Sports
- Video games
- Fitness
- Astronomy