

NWANOZIE PROMISE EBERECHUKWU

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EDUCATION

Federal University of Technology Owerri (2014 - 2019).

BTech , Computer science , CGPA 3.70/5.0

PROFESSIONAL EXPERIENCE

Codelearners , Embedded systems and Web instructor . January 2020 - May 2020

Under one week, developed and implemented a curriculum for IOT and embedded systems classes.

Taught embedded systems development classes using Arduino breakout board.

Taught Frontend development classes (HTML5 , CSS3, Bootstrap and Vanilla JS)

Also introduced the teaching of Backend development using Php.

Aitechma Digital Agency , Intern. July 2018 - February 2019

Implemented the mockup designs from the UI/UX team using HTML5 ,CSS3 and Bootstrap-CSS library.

Built mobile responsive web application/web sites using Bootstrap-CSS library .

Was an HTML5 and CSS3 instructor at boot camps organized by the firm.

Interacted and worked with Google map API endpoints on . Used it for distance calculation on a pricing system for a logistics application.

Developed the Backend of applications using Codeigniter-PHP framework.

Implemented CRUD(Create ,Read,Update and Delete) processes on Application database using in built PHP and SQL queries.

Autopet Automation , Intern. November 2017 – December 2017

Worked on Embedded systems projects using ArmMbed microcontroller and Arduino breakout board.

Carried out s sensor calibration on PIR sensor, Ultrasonic sensor and other sensors using C and C++ programming languages.

SKILLS, LANGUAGES AND TOOLS

Skill : Technological adaptability. Hand drawn wireframing and Mock up design

Microcontrollers : Arduino, Raspberry pi

Languages : PHP , Python , C++/C, JavaScript.

Library : Bootstrap, JQuery

DB : MySQL.

PROJECTS

Gas leakage detection

<https://github.com/iotstudent/Gas-leakage-detection-system>

Created a gas leakage detection system for a client. The system could detect the presence of methane gas in the air and the estimated amount in PPM then trigger an alarm and also send an SMS notification.

This was developed using C++, Arduino Uno and GSM module, LCD display and other components.

Attendance management System using biometric technology

<https://github.com/iotstudent/final-year-project-backend-api>

This was my final year project. worked with a team consisting of two other people. It's an IOT based project. We captured attendance for exams and lectures using fingerprints.

And the results were accessed over the web. This was developed using Python, Raspberry pi and R305 fingerprint sensor.

Automated water pumping system

Developed an automated water pumping system for a home at Oguta Imo state.

The pumping machine is automatically turned on or off once the water level in the tank hits certain designated points.

This was developed using C++, Arduino Uno, Ultrasonic sensor and other components.

AWARDS AND VOLUNTEER EXPERIENCE

Lead Facilitator FUTO CSC Software Club - Jul 2019 – Dec 2019

We organized weekly meetups where we offered free training on C++, HTML5 and CSS3 and other web related technologies. We were responsible for bridging the knowledge gap between industry and the academic environment by teaching more relevant skills in the areas of embedded systems development and web development including Backend and Frontend technologies, while the curriculum for Computer science was being reviewed

Winner NACOSS programming competition Imo state - 2016

NACOSS(National Association of Computer Science students). I represented the computer science department of the Federal University of Technology Owerri at the state level and came first.