

ILABIJA, CALEB OMATA

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EDUCATION

Bachelor of Science: Physics

2017- 2022

Lagos State University, Nigeria

CGPA: 4.33/5.00 (Second Class Upper Division)

Thesis: Design and Construction of a Gas Leakage Detector with Automatic Gas Stoppage

Advisor: Dr. R.A. Adeniji-Adele

RESEARCH EXPERIENCE

Lagos State University, Nigeria

2021-2022

Design and construction of a gas leakage detector with automatic gas stoppage

Supervisor: Dr. R.A. Adeniji-Adele

- Designed and constructed a prototype model of a micro controller-based gas detection system
- Designed and developed a gas leakage detector system using MQ-4 gas sensor
- Implemented an alert trigger into the gas detection system to provide warning signals on the detection of a liquefied petroleum gas
- Configured the circuit to utilize a 12V DC supply or a 12V battery
- Developed code for the micro controller used
- Computed design parameters

Simulation of the active layer of a conventional bulk hetero junction device based on the polymer-fullerene blend PCBM:P3HT presented to get the maximum efficiency and the result was compared with experimental data

Supervisor: Dr. Oseni Saheed Olarenwaju

- Extensive usage of the SCAPS (Solar Cell Capacitance Simulator) software.

SKILLS SUMMARY

Languages and Framework

PHP, Python, JavaScript, Laravel, MySQL

Tools and Platform

Docker, Git

Organizational skills

Strong numerical & analytical skills, Excellent verbal and written communication skills, Quick adaptability to new technologies

EXPERIENCE

Roystect IT Solution

2022-2023

Junior Software Developer

- Designed, developed and deployed a Blog application which has an admin section that controls all user's permission.
- Existing software updates and development
- Designed, developed and deployed a Contact Book application that allows users to manage their contacts, including adding, updating and deleting contacts. Additionally, users can create contact groups and add contacts to these groups. The application has a user-friendly interface with features such as alphabetical sorting of contacts, searching contacts by their attributes (name, email, or phone number), and filtering contacts by alphabet or date created.

Prodigy School Software (NYSC)

2022-2023

Junior Technical Product Assistant

- Engagement in Trainings of staff and administration of schools on proper and extensive usage of school management software.

Capena Holding Power Source

2015-2018

Sales & Product Engineer Officer

- Extensive sale distribution, construction and repairs of electrical, electronic and industrial materials such as alarms, semiconductor materials, copper wires, aluminum wires, breakers, contactors, gear switches and more

TEACHING EXPERIENCE

Lagos State University

2018-2022

Academic Tutor

- Tutored over 60 students Physics courses
- Mentored students with low academic standard which resulted to drastic improvement in their academic performances
- Provided academic materials and past questions as study guide to students at various levels of Physics department

SELECTED PROJECTS

- Gas leakage Detector with automatic gas stoppage [Demo](#)
- Vell Magazine: a web application which allows creation, update, edit and delete of posts as well as an admin section that controls all user's permission. [Demo](#)
- Smart Contact Book: a web application that allows users to manage their contacts, including adding, updating and deleting contacts. Additionally, users can create contact groups and add contacts to these groups. [Demo](#)
- The Flint Group: a web page for a Business Consulting Firm [Demo](#)

AWARDS / HONOURS

- National association of Physic students, HOD's CUP (**GOLD**); 2018
Lagos state university
- National association of science student DEAN's CUP (NASS-LASU: **SILVER**); 2019
Lagos state university

VOLUNTARY / COMMUNITY SERVICE

- **National Blood Transfusion Service, Nigeria** 2017-Present
Blood Donor
- **Juniors High School, Ikotun** July 2023
Help Junior School Students Conquer Bullying ([Pictures](#))
- **Ikotun-Idimu, Lagos Nigeria** April 2023
Awareness on Drug abuse and Walk against Child Abuse ([Pictures](#))
- **Department of Physics, Lagos state university** 2019 - 2020
Classical mechanics online class for under-graduates' students
- **Foundation: Cio borrow me money (Cio BMM)** 2020-2022
A non-governmental foundation committed to granting student loan

PROFESSIONAL DEVELOPMENT AND CERTIFICATIONS

ICSI CNSS Certified network security specialist from ICSI, UK (International cyber security institute)	May 7, 2020
Learn to Code with Python taught by <i>Boris Paskhaver on Udemy</i>	May 5, 2020
Python Pandas library full tutorial as taught by <i>Diptam Paul on Udemy</i>	May 5, 2020
Artificial intelligence in website design + live class taught by <i>Srinidhi Ranganathan</i> ,first look digital marketing solutions Pvt. Ltd on Udemy	May 7, 2020
AD's Hacker 1.0: Growth hacking certification for marketers taught by <i>Srinidhi Ranganathan, Saranya Srinidhi on Udemy</i>	May 4, 2020
Strategic planning foundation as a financial analyst on <i>Linkedin learning</i>	March 22, 2022

LEADERSHIP EXPERIENCE

Deputy speaker department: Physics department, Lagos state university	2022
Director of studies: (DOS) Physics department, Lagos state university	2022
Evangelism Cordinator: Winners campus fellowship, Lagos state university	2019
Prayer coordinator: Winners campus fellowship, Lagos state university	2020

PROFESSIONAL AFFILIATIONS

Deputy speaker department: Physics department, Lagos state university	2020-2021
Member: National association of Physics students (NAPS), Lagos state university	2017-Present
Member: Nigeria society for Physic (NSP), Lagos state university	2017-Present