

## AIKHUEGBE EROMOSELE DANIEL

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### POST-SECONDARY EDUCATION

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#### ENG Electrical/Electronics Engineering, University of Benin 2017 - 2023

- Grade: First Class Honors (4.64/5.00)
- Thesis: "Design and Construction a Liquefied Petroleum Gas (LPG) Leakage Detection System"
- Relevant Modules: Calculus and Real Analysis, Differential Equations and Dynamics, Power Systems Design.

#### OND, Nautical Science, Federal College of Fisheries Marine Technology 2014 - 2016

- Grade: Distinction (3.68/4.00)
- Thesis: "Impact of Marine Pollution on Lagos Seaports - Apapa and Tin Can ports as case studies"

### RESEARCH EXPERIENCE

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#### Undergraduate Final year Thesis, UNIBEN June - September 2023

Research Topic: **Design and Construction a Liquefied Petroleum Gas (LPG) Leakage Detection System**

- Carried out a literature review to find out existing technology in Nigeria and how to improve it.
- Proposed the use of ESP32 as opposed to the popular use of Arduino.
- Designed and constructed the cooking gas detection system.
- Tested and verified that the features worked as desired.
- Wrote and presented a detailed report on the design, functionality, tools, and limitations involved in this project

### WORK EXPERIENCE

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#### Internship, Softray Solar Limited Jan 2025 - Present

- Installation and maintenance of solar/inverter systems.
- Mounting of solar panels on rooftops and other fabricated structures.

#### Front-end Developer - Freelance 2021 - Present

- Design responsive web applications using React, NextJS, HTML, and CSS.

#### Graduate Intern, Tizeti Network Limited Dec 2023 - Oct 2024

- Ensuring 99% uptime at each and every allocated base station.
- Configuration of Access points, and other point-to-point and point-to-multipoint devices such as Cambium, Ubiquiti Building Bridge, etc.
- Configuration, link planning, and installation of Ubiquiti Wave Nano point-to-point devices.

#### Graduate Intern, Osimex Engineering Ltd., Oct 2023 - Dec 2023

- Conducted a line route survey from UNIBEN to Oluku, Terminal Resort, and back to UNIBEN, covering approximately 7.8km.

- Utilized a GPS device to record waypoints of existing transmission poles and mapped the route using Expert GPS software.
- Stripping of armored cable and securing it in a cable lug.
- Cable termination.
- Inspection of newly installed 500KVA, 33KV/0.415KV transformer, testing the earth pit using an earth resistance tester.

#### **Undergraduate Intern, Tizeti Network Limited**

**Jan 2022 - Dec 2022**

- Configured, installed, and troubleshooted Cambium and Baicells radios.
- Worked with various Ethernet cables such as Cat 5, Cat 5e, Cat 6, etc.
- Configured, installed, and troubleshooted D-Link, TP-Link, and Mikrotik routers.
- Installed devices at various heights, water tanks, and rooftops.
- Conducted cable routing into roofs and panning for signals at various heights.
- Configured and installed wired and wireless extenders. Conducted on-site and off-site troubleshooting.
- Assisted in the installation of a relief sector on the Ugbowo Base Station as part of the NOC FSE department.

#### **Production Staff, Franemm Industries Ltd**

**April 2014 - Aug 2014**

- Participated in large-scale production of styling gel. Worked with chemicals including Carbopol, Formaldehyde, Ethanol, etc.

#### **Production Staff, Franemm Industries Ltd**

**Aug 2013 - Dec 2013**

- Contributed to large-scale production of relaxers. Handled chemicals such as Petroleum Jelly, Emulsifying Wax, Cetyl Esters Wax, Caustic Soda, Lanolin, etc.

### **HONORS AND AWARDS**

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#### **Federal College of Fisheries and Marine Technology**

- Best Graduating student in Nautical Science, **2016**
- Overall Best Graduating student **2016**

#### **Platform Communications award**

- Best Graduating Nautical Science student nationwide **2017**

#### **NNPC/SEPLAT JV National undergraduate Scholarship award**

**2021 - 2023**

#### **Department of Electrical/Electronics Engineering, University of Benin**

- Best Dressed Male Student of class **2023**

### **PROFESSIONAL MEMBERSHIP & AFFILIATIONS**

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- Graduate Member, Nigerian Society of Engineers **(in view)**
- Student Member, Nigeria University Engineering Student Association (NUESA) **2017 - 2023**
- Student Member, Society of Electrical Electronics Engineering Students (SEES) **2017 - 2023**

## PROFESSIONAL DEVELOPMENT

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Completed courses on Udemy, including:

**The ultimate SOLAR ENERGY course (ONSITE EXPERIENCES)**

**May 2025**

- System Protection
- System efficiency and yield
- Cable sizing
- On-site experience

**NestJS Masterclass - NodeJS Framework Backend Development**

**March 2025**

## SKILLS & INTERESTS

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- **Technical:** Microsoft Word, WPS, HTML, CSS, JavaScript, TypeScript, NextJS, React
- **Soft Skills:** Analytical thinking, effective communication, teamwork and collaboration, attention to detail, and ethical conduct.
- **Language:** Fluent in English, my home country's official language and medium of instruction.
- **Other Interests:** Research, Network Engineering, Programming, Swimming, Sports.

## REFERENCES

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**Dr. Sam O. Omorogiuwa**

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University of Benin.

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