

OSEI BRIGHT
ELECTRICAL AND ELECTRONICS ENGINEER

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oseibrighttdm1280@gmail.com

EDUCATION AND TRAINING

- **Bachelor of Technology in Electrical and Electronic Engineering**, Takoradi Technical University, Takoradi, Ghana. (2024 - 2026)
- **High National Diploma in Electrical and Electronic Engineering**, Takoradi Technical University, Takoradi, Ghana. (2021 - 2024)
- **National Board for Professionals and Technician Examination (NABTEX) - Electrical Engineering Technology**, Kikam Technical Institute, Kikam, Ghana. (2017-2020)

RESEARCH INTEREST

- Control System automation
- Renewable Energy
- Smart System
- Electric Charging System
- Power System

PROFESSIONAL EXPERIENCE

RSF Company Limited

October 2025 – Data

Electrical and Instrumentation Technician (Contract)

- Carried out the installation of 11 kV and 33 kV switchgear, transformers, and associated substation equipment
- Worked with Technician Team for Assembling Panels (SCADA)
- Substation troubleshooting
- Calibrations of Instruments
- Troubleshooting and replacing instrument devices

Ghana National Gas Limited Company (GNGLC)

National Service

December 2024 – September 2025

Maintenance Department

- Calibrations of Instruments
- Troubleshooting and replacing instrument devices

Construction Management Department

Electrical and Instrumentation Unit

- Supported the installation and testing of electrical panels and instrumentation devices.
- Monitored cable routing and ensured adherence to electrical safety codes.

Mechanical/Piping Unit

- Participated in the layout and inspection of piping systems for facility infrastructure.
- Assisted in ensuring compliance with mechanical design specifications and safety standards.

Site Management Unit

- Coordinated daily site activities and maintained communication between units.
- Ensured proper documentation and tracking of materials delivered to site.

Civil Unit

- Contributed to supervision of concrete casting, formwork, and structural reinforcements.
- Reviewed and interpreted civil drawings for accurate on-site execution.

Monitoring and Evaluation Unit

- Participated in tracking project progress
- Inspection of materials

Geosciences Unit

- Assisted in analyzing soil and rock samples for construction suitability and site planning.
- Supported geotechnical surveys and fly of drone to monitor pipe line (Right of way).

Electricity Company of Ghana (ECG) Axim District.

Internship

September 2023 – December, 2023

Operation and Maintenance at substation and control room

- Performed load monitoring and balancing of distribution transformers.
- Did surveying and trimming of right of way on the Esiam to Nkroful line.
- Performed distribution line maintenance in the Axim district.
- Participated in poles planting and other wiring works in the Axim district.

Customer Service Unit

- Performed meter reading, updating and initialization.
- Mobilized and disconnected meters.

Fault Section

- Worked with the operations unit and took part in transformer repairs.

Saint Martin's de Pores Hospital, Eikwe

Internship

August 2022-October 2022

- Maintained and repaired medical equipment.
- Maintained generator sets and air-conditions.
- Performed load management on meter unit.

Meridian Logistics and Engineering-Ghana

Electrical and Instrumentation Technician (Contract) September 2020-June 20 21 **Compressor station at Anokyi.**

- Worked with Technician Team for Assembling Electrical Panels (PLC, EDS and DCS)
- Installed cable trays.
- Installed electrical instruments such as temperature sensors, level indicators, smoke detectors, etc.

Kuda Electrical Firm (Atuabo)

Internship

December 2017- September 2020

- Did house wiring for 10 houses.
- Repaired electrical equipment such as fans, heaters, blender, etc.
- Performed other office works such as estimating the cost of house wiring, etc.

SKILLS AND COMPETENCES

- Excellent in organizational and problem-solving skills.
- Good with Microsoft Office tools (Excel, Word, PowerPoint and MS project).
- Excellent at building, troubleshooting and making safe of Electrical Control Pannels (PLC, EDS and DCS).
- Good with maintenance and troubleshooting of electrical motors and generators.
- Can perform design and installation of Off-Grid PV and Grid-Tired PV systems.
- Good with AutoCAD, Proteus, MATLAB, PV SOL and CAD SIMU software.

LEADERSHIP AND VOLUNTEERISM

- **Treasurer** - National Association of Nzema Students, Ghana (NANS) (2023- 2024 Academic Year)
- **Health Prefect** - **Kikam** Technical Institute (2018 – 2019 Academic Year).

CERTIFICATION

- **Design and installation of Off-Grid PV and Grid-Tired PV systems**, Green Solar Academy (28th April1, 2023- 12th May, 2023)
 - **AutoCAD and Proteus Organized**, Electrical and Electronics Department (TTU)
 - **Control Panel Building with Troubleshooting and Safety**, Jubilee Technical Training Centre (JTTC-TTU) (April, 2023)
 - **Motors Maintenance and Troubleshooting**, Jubilee Technical Training Centre (JTTC TTU, (September, 2023).
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REFERENCES

Emmanuel Kobina Panye (Dean, Engineering Department, TTU)

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