

EHIZOGIE ISOBOYE EMOYON-IREDIA

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PROFILE SUMMARY

Resourceful, committed and skilled **Electrical Engineer** with a solid background in electronics, control systems, power systems and communications. Possess an unbridled passion for Artificial Intelligence (AI) and Internet of Things (IoT) with comprehensive knowledge of machine learning concepts and other emerging network technologies. Applies a powerful blend of research analytics, requirements management, integration and support, and skills to optimise processes, drive rigorous engineering efforts, and introduce significant application enhancements. Possess the apt to quickly grasp new technical information and communicate that information to others in an understandable manner. Outstanding leadership abilities; able to coordinate and direct all phases of project-based efforts and leading project team initiatives.

EDUCATION

- **Doctor of Philosophy in Electrical Engineering** (In Progress)
Frederick University, Nicosia, Cyprus
- **Master of Science in Electrical Engineering (9.11/10 – 1st Class Honours)** June 2021
Frederick University, Nicosia, Cyprus
 - ✓ *Best academic performance in the postgraduate programme in electrical engineering for 2020/2021 academic year [Summa cum laude].*
 - ✓ *Submitted a research paper entitled “On the use of programmable metasurfaces in vehicular networks” to the SPAWC 2021 Conference.*
- **Bachelor of Engineering in Electrical and Electronics Engineering (3.69/5.0)** June 2016
Covenant University, Ota, Ogun State, Nigeria
 - ✓ **Member**, Convocation Planning Committee (2016)
 - ✓ **Welfare Executive**, Hospitality Unit (2015): *I established a guidance and counselling sub-unit to aid the deteriorating mental health of students.*

CORE COMPETENCIES

- | | | |
|--------------------------------|---------------------------------------|-------------------------|
| ▪ Technical Documentation | ▪ Instrumentation & Control Systems | ▪ Validation & Analysis |
| ▪ Software Testing & Debugging | ▪ Requirements Generation & Gathering | ▪ Telecommunications |
| ▪ Integrated Circuit Design | ▪ Configuration & Troubleshooting | ▪ AI Engineering |
| ▪ Quantitative Analysis | ▪ Test Plans and Script Development | ▪ Machine Learning |

TECHNICAL SKILLS

- **Application Software:** Microsoft Office Suite; Microsoft Project; Spreadsheets; Project Analytics; Research Analytics
- **Technical Tools:** MATLAB, PTV VISSIM, AutoCAD, and Python

SKILLS AND EXPERTISE HIGHLIGHT

- Possess detailed knowledge on the fundamentals of networking, Graphical Analysis, Network Design and Simulation using Packet Tracer software.
- Data Analysis: Conducts needs analyses and utilises data-driven design principles to determine learning product requirements in terms of audience, goal, timeline, learning methodologies, and delivery methods.
- Skilled in technical writing, inventory management, and a strong understanding of engineering mechanics, principles, and materials.
- Excellent analytical, organisational, strategic and critical thinking skills as well as proven ability to work independently in the absence of direct supervision.
- Comprehensive educational and work knowledge of electrical engineering, design, and codes; familiar with regulatory standards and procedures of the electrical industry.
- Strong interpersonal skills with ability to work with product owners and team members to build industry-leading solutions.

WORK EXPERIENCE

OPERATIONS ENGINEER

June 2022 – Present

A.P.Georghiades Limited, Dali, Nicosia, Cyprus

- Inspections at all stages of the production process and enhancing product production continuously by implementing best practices that adhere to European standards.
- Provision of comprehensive reports that specify the procedures taken to address requests for technical assistance, the dates on which they were made, and the people involved.
- Maintain standards of safety and comply with the company's health and safety regulations..

TECHNICAL ENGINEER TRAINEE

March 2017 – November 2017

Yola Electricity Distribution Company, Yola, Adamawa State, Nigeria

- Completed detailed reports listing requests to technical assistance, steps taken to resolve them, the specific dates and individuals involved.
- Resolved any unexpected technical difficulties and other problems that may arise at any time communicating and liaising effectively with colleagues.
- Maintained standards of safety and comply with the company's health, safety and environment management systems requirements.
- Effectively documented technical records and utilised Microsoft Excel to analyse data generated from various business units in the North-East of Nigeria.
- Worked with the Head of Technical department (Engineer Olasupo Akinpelu) in power distribution planning proposals and transmission line maintenance schedules.
- Actively functioned as part of the team with technicians and engineers that went out to carry out substation relocation, field metering and other tasks.

OPERATIONS INTERN

January 2015 – August 2015

Pipelines and Products Marketing Company, Alesa, Rivers State, Nigeria

- Monitored pipeline manufacturing processes, procedures, production and testing layouts for assemblies, equipment installation, processing, machining and materials handling.
- Ensured regulatory arrangement of machines within plant facilities to enable most efficient and productive layout.
- Inspected all electrical systems for fault identification and hazards throughout the plant to ensure efficiency and proper functioning.
- Troubleshoot system failures for booster pump and made product replacement suggestions.
- Operated as a multidisciplinary member of the team of technical, independent individuals and coordinated custody transfer processes of Product and Water Tanks on the tank farm.
- Analysed and presented data using Microsoft Excel in an easy-to-understand format to the management team.

CERTIFICATIONS AND ORGANIZATIONS

- Cisco Certified Network Associate (Routing & Switching) – 2014
- Nigerian Society of Engineers (NSE) – Corporate membership number: 59549
- Institute of Electrical and Electronics Engineers (IEEE) – Student membership number: 98109871

REFEREES

DR. MARIOS LESTAS

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