**Onyero Walter Ofuzim**

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Description automatically generated with medium confidence [GitHub](https://github.com/Waltberry)

**PROFESSIONAL SUMMARY**

**Innovative** and **results-driven** software engineer with a **robust background** in **electrical**, **network**, and **software engineering**. **Experienced** in **leading cutting-edge research and development initiatives**, particularly within the realm of **energy management** and **network performance optimization**. **Skilled** in leveraging advanced technologies such as **Machine Learning, Data Analysis**, and **IoT** to drive **efficiency** and **sustainability** across diverse industries. **Proven ability** to **lead teams** and deliver **impactful solutions** that **enhance operational performance** and **reduce costs**. **Committed** to **continuous learning** and staying abreast of **emerging technologies** to solve **complex engineering challenges**.

**EDUCATION**

**Schulich School of Engineering, University of Calgary.**

*Master of Science- Electrical and Software Engineering***- 2025**

**Focus**: Software/ System Identification, ML/DL, Adv. Control

**University of Benin, Benin City, Nigeria**

*Bachelor of Engineering – Electrical / Electronic ENG* **- 2021**

**Focus**: Control Systems, Software and Embedded Systems

**Awards and Certifications**

* **Department of Electrical and Software Engineering Funding-** University of Calgary.
* **Sri Lanka Imanust Graduate Scholarship Engineering Award**- S. C. (Chan) & Dhamitha Wirasinghe through the University of Calgary

**SKILLS**

|  |  |  |
| --- | --- | --- |
| * Front-End: JavaScript, HTML & CSS, React | * Database: MySQL, Data Modeling | * AI / ML / DL: ML Algorithms, CV, NLP, RL |
| * Back-end: Python, Django, APIs | * Mobile: Java, Kotlin, React Native | * Data Analyst: PowerBi, Excel |

**RELEVANT EXPERIENCE**

**University of Calgary – Schulich School of Engineering** **Jan. 2024 -** **Present**

*Graduate Research/Teaching Assistant Calgary, AB*

* Currently researching within the prestigious Digital Innovation in Clean Energy (DICE) program, focusing on developing Machine-Learning-Assisted battery management systems. These innovations are projected to potentially save the government millions annually in energy costs, aligning directly with Alberta Innovates' goal of enhancing energy efficiency and sustainability.

**MTN – NPQA (Network Performance Quality Assurance)**  **Aug. 2022 – Nov 2023**

*Lead Technology Specialist (Analysis)/ Network Support Analyst Lagos, Nigeria*

* Elevated to lead analyst role within MTN's NPQA division, where I led a team in implementing advanced data analysis techniques. These efforts resulted in a 15% reduction in network downtime, translating to estimated $500,000 in annual savings for MTN Nigeria.

**University of Benin – Department of Electrical/Electronic ENG Jan. 2020 – Aug 2021**

*Graduate Research Assistant Benin, Nigeria*

* Spearheaded pioneering research in embedded systems and IoT technologies, notably contributing to the development of efficient battery management solutions. This research aimed at enhancing energy sustainability, potentially reducing local energy costs by up to 30% through effective energy management technologies.

**MTN – NSMC (Network Service Management Center) Nov. 2019 – May 2020**

*Network Support Engineering Intern Lagos, Nigeria*

* Played a crucial role in maintaining network integrity and stability at MTN Nigeria, utilizing SNMP monitoring and data analysis to significantly reduce network incidents and improve service reliability.

**Nigerian Bottling Company Plc. (Coca-Cola HBC) Aug. 2019 – Nov 2019**

*Automation/Electrical Engineer Intern Lagos, Nigeria*

* Implemented proactive maintenance strategies that reduced machinery downtime by 15%, contributing to increased production efficiency and operational cost savings for Nigerian Bottling Company.

**EXTRACURRICULAR**

* **J.P. Morgan Software Engineering Virtual Experience on Forage - May 2024**
* Set up a local development environment and resolved issues to ensure correct web application output.
* Utilized J.P. Morgan's Perspective open-source library to create live graphs for data visualization, enhancing trader monitoring capabilities.