# OLUWAPEMIISIN AKINGBOLA

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## ACADEMIC PROFILE

**Morgan State University, USA**                                                                                    *August 2023*
*Masters of Science, Electrical Engineering (Security, Signals Intelligence)*
*Courses: Advance Network Security, Advanced Network Communications, Advanced Project Management*
**University of Ibadan, NG**                                                                                    *Feb 2015 - Mar 2021*
*Bachelor of Science, Electrical Engineering (CGPA 6.5/7.0)*

## WORK EXPERIENCE

**National Science Foundation (#1915614)** — *IT Research Assistant & Data Analyst*                *Aug 2023*
- Led smart system integrations to boost STEM education in HBCUs, using experimental pedagogies
- Managing the project database and communicating through via data visualizations and analytical research papers

**Schneider Electric** — *Projects Engineer*                                                            *Feb 2023 - July 2023*
- Led data-driven management of large-scale energy distribution projects across the Middle East and Africa, focusing on safety, efficiency, and sustainability through data insights.
- Analyzed energy project sales data using BFO and Tableau, identifying trends and opportunities to enhance project delivery and market penetration.

**Center for Information and Telecoms Engineering** — *IT Research Assistant & Data Analyst*        *Aug 2021 - May 2022*
- Led research team in analyzing data obtained from studies in the telecommunications and drone-aviation
- Planning workshops on contemporary Data and ML Skills (Tensor Flow) for center-enrolled students and transitioning professionals.

**Aviat Networks, Lagos, Nigeria —** *Microwave Engineering Intern*                                *Aug 2018 - Feb 2019*
- Created Microwave Network Links for three regions in Nigeria, configuring a range of microwave radios.
- Supervised more than 200 Enterprise Network Systems for two Network Service Providers.

### PROJECTS
- **Home Security** - Implemented a Virtual Local Area Network (VLAN) to enhance home network security and optimize DNS filtering. Using pfSense as a firewall and router, integrated Pi-hole on a Raspberry Pi for DNS filtering. Configured network devices to segment network traffic, ensuring secure communication between devices. This setup significantly reduced unwanted advertisements and potential phishing threats, enhancing overall network security.
- **HPING3 Project** - Set up a VPC within AWS and Simulate a DoS attack using Hping3 to flood a target server with SYN packets, demonstrating the impact on service availability.

## LEADERSHIP EXPERIENCE & AWARDS

- Lead, Sector 256 Hub                                                                                    *September 2023*
- Chairperson, *Women in Engineering, IEEE (UISB)*                                                *Oct 2018 - May 2020*
- President, *Bowels of Mercy, University of Ibadan (Non-profit)*                                        *2018-2020*
- *IEEE Smart Village-AWG (Telehealth Team Designer)*                                                *2020-2022*
- Seed for the Future in IT, Award                                                                            *2019*

## SKILLS

**Data and Analytic Tools:** Jupyter Notebook, Tableau, Google Colab, SPSS, Excel.
**Programming:** Python, C program. **Web Technologies:** HTML, CSS, Javascript, WordPress.
**Frameworks:** Tensorflow, Numpy, Matplotlib, GitHub, VS Code, Canvas.
**Networking Tools:** Wireshark, Arduino, Raspberry pi, AWS Cloud, Operating Systems MacOS and WindowsOS.
**Others:** VHDL, Microcontrollers, AutoCAD.