

FISAYO SANGOLEYE

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PROFILE SUMMARY:

A dynamic, self-motivated graduate student with strong analytical and organizational skills, excellent communication and intercultural skills, and a team player eager to work in a fast-paced, inter-disciplinary environment. Academically exposed to core networking concepts like IP, Routing and Switching, BGP, OSPF, MPLS, Cloud Computing, Network Function Virtualization, and Software Defined Networks, and experienced in the field of computer networks, with exposure to networking technologies like 4G, LTE and WiMAX.

EDUCATION

Ph.D. in Computer Engineering

GPA: 4.26/4.00

University of New Mexico, Albuquerque NM.

2020 – 2023

Relevant Coursework: Computer Networks, Network Economics, Computing and Algorithms, Hardware Software Codesign with FPGAs, Hardware-Oriented Security and Trust, Cloud Computing, Network Softwarization.

Bachelor of Science in Electrical and Electronics Engineering

GPA: 4.05/5.00

University of Lagos, Nigeria.

2011- 2016

WORK EXPERIENCE

Graduate Research and Teaching Assistant

Electrical and Computer Engineering Department, University of New Mexico

Jan 2020 - Present

- Conduct research on resource allocation and optimization in heterogeneous wireless networks, internet of things, energy harvesting in sensor networks, artificial intelligence, and demand response management in smart grid networks using Game Theory, Contract Theory and Reinforcement Learning.
- Assist with course preparation, office hours tutoring and grading of students in Programming Fundamentals in C, Introduction to Communication Systems, and Advanced Engineering Mathematics with MATLAB.

Team Lead, Digital Strategy

TERAWORK, Nigeria

Oct 2017 - Nov 2019

- Led a team of 15 through the development and execution of digital business strategies that drove more than 500% growth.
- Improved the usability, design, content, and traffic of the company website and achieved over 700% growth in web interaction.

Network Engineer

Government Secondary School, Nigeria

Aug 2017 - Oct 2017

- Managed a VSAT Network for 24th Gen. Network Company and assisted with troubleshooting and maintenance.

Network Engineer (Intern)

Cyberspace Network Limited, Nigeria

Aug 2015 - Jan 2016

- Installed, Configured, and troubleshot several network devices (LTE, WiMAX, VSAT).
- Managed Base stations, as well as other network infrastructures, and assisted site engineers with network issues resolution from the Network Operations Centre (NOC).

TECHNICAL PROFICIENCY

- Python, C, C++, MATLAB, Reinforcement Learning, Optimization.
- LTE, WiMAX, IP Telephony, Routing and Switching, NetSim, Proteus, Multisim, Arduino, FPGAs, VHDL, Vivado Suite, Linux.

RESEARCH AND PROJECTS

- Reinforcement Learning-Based Demand Response Management in Smart Grid Systems with Prosumers Jan 2020 - present
- Energy Harvesting in Sensor Networks (To be submitted) Nov 2020 – Jan 2020
- Data Acquisition in Social Internet of Things based on Contract Theory (Accepted). 2020
- Contract-theoretic Demand Response Management in Smart Grid Systems (Published in Oct. 2020). 2020
- The Design and Construction of an SMS Controlled Vehicle Antitheft System. 2016
- The Design and Construction of a Remotely Controlled Home Automation System Using the Internet. 2016

MEMBERSHIPS AND OFFICES HELD

- The Institute of Electrical and Electronics Engineers (IEEE) – **Member** March 2020 – Present
- National Society of Black Engineers (NSBE), UNM - **Treasurer** Jan 2020 – Present
- Black Students Association - **Member** Aug 2020 – Present
- Graduate and Professional Students Association (GPSA), UNM - **Grant Reader** Aug 2020 – Present