

Curriculo Lattes: <https://lattes.cnpq.br/6717093659371015>

Nathaniel BENJAMEN

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Igbonla Rd., Augustine University, Ilara-Epe, 106101, Lagos State, Nigeria

CAREER OBJECTIVE

Ambitious Computer Engineering and Intelligent Systems Engineering graduate, eager to leverage academic expertise and hands-on experience in AI and Machine Learning. Committed to advancing sustainable technologies and creating innovative solutions, strongly focusing on integrating AI/ML with Embedded Systems for societal impacts.

EDUCATION

Master of Science (*M.Sc.*) in Intelligent Systems Engineering 2018 – 2021

[Obafemi Awolowo University](#), Ile-Ife, Osun State, Nigeria

Relevant Coursework: Formal Logic and Intelligent Systems, Software Engineering, Advanced Modeling and Simulation, Computer and Network Security.

Bachelor of Technology (*B.Tech.*) in Computer Engineering 2010 – 2015

[Ladoke Akintola University of Technology](#), Ogbomoso, Oyo State, Nigeria

Relevant Coursework: Computer Logic, Control Engineering, Machine Learning, Microprocessors, Computer Architecture, Digital Logic Design, Power Electronics, Hardware and Design, Network Analysis, Signal Processing, Integrated Circuit Design.

RESEARCH & TEACHING EXPERIENCE

Computer Engineering Lecturer II 2023 – Present

[Augustine University](#), Ilara-Epe, Lagos, Nigeria

- Level advisor (200 level)
- Developing and delivering course materials for Introduction to Computer Engineering, Microprocessors and Embedded Systems, Data Communication, and Digital Fundamentals.
- Enhancing practical skills in VLSI and Digital System Design utilising VHDL.
- Evaluating assessments and contributing to developing the Bachelor of Engineering (B.Eng.) program to align with Nigerian academic standards.

Teaching Assistant 2019 – 2021

[Obafemi Awolowo University](#), Ile-Ife, Nigeria

Assisted Dr. S. I. Eludiora in instruction of Python Programming, supervised seminars, and graded over 150 undergraduate assignments and examinations.

Research Assistant 2019 – 2020

[Obafemi Awolowo University](#), Ile-Ife, Osun State, Nigeria

Collaborated with the Intelligent Systems Engineering team on data collection and analysis for Machine Learning tools, under the supervision of Professor ODEJOBI, O. A. (Ph.D., Aston). The Tertiary Education Trust Fund, Nigeria, sponsored this research.

INDUSTRIAL EXPERIENCE

Renewable Energy Technician

2021 – 2023

Jasayo Engineering Ventures, Ibadan, Oyo State, Nigeria

- Installs solar panels, wind turbines, and other renewable energy equipment.
- Conducts routine maintenance and troubleshooting of energy systems.
- Ensures systems are running efficiently and safely.

Educational Content Developer

2017 – 2018

Flexskool, Abuja, Nigeria

Delivered online A-level courses in Physics and Mathematics and successfully impacted over 1,000 students throughout Nigeria.

Field Engineer & ICT Instructor

2016 – 2017

Topaz Olivetti Nigeria Ltd., New Karu, Nasarawa State, Nigeria

- Served as an ICT instructor, providing system maintenance and troubleshooting support.
- Executed automated bollard installations to enhance security measures.

INTERNSHIP

Natural Language Processing Intern

Feb. 2019 – Aug. 2019

Technopolis Group, [Obafemi Awolowo University](#) ICT Knowledge (OAK) Park, Africa Centres of Excellence (ACE) Program, Osun State, Nigeria

Gained hands-on experience in Natural Language Algorithms and Applications, contributing to ongoing projects.

IT Technician

Apr. 2014 – Oct. 2014

[Ladoke Akintola University of Technology](#), Ogbomoso, Oyo State, Nigeria

- Developed skills in computer repairs, networking, and troubleshooting services.
- Assisted in the installation of CCTV systems and contributed to the development of end-to-end applications.

SKILLS

Python Programming | C++ Programming | MATLAB | PyTorch | VHDL | Networking | SolidWorks

PROFESSIONAL MEMBERSHIP

[The Nigerian Society of Engineers](#): Membership No.: 68015

2025

AWARDS & HONOURS

Peak Performer at Federal Government College Sokoto, Nigeria

2001

PUBLICATION

Adeyanju, I., Omotosho, O., Benjamin, N., & Adegbola, E. (2015). Development of Micro- Controlled Multi-Powered Uninterruptible Power Supply System. *International Journal of Engineering Innovation & Research*, Volume 4, Issue 4, ISSN: 2277 – 5668.

Benjamin, N., & Eludiora, S. I. (2025). Development of a French to Yorùbá Machine Translation System. (Manuscript Accepted)

Collaborative research on AI-driven control systems and optical mechatronics applications (In progress)

CONFERENCES ATTENDED WITH DATES

September, 2023

Workshop on AI in Physiotherapy, held at Department of Physiotherapy, [University of Uyo Teaching Hospital](#), Uyo, Akwa Ibom State, Nigeria.

June, 2025

Outcome Based Education (OBE) on tertiary universities in Nigeria, held at [Obafemi Awolowo University](#), Ile-Ife, Osun state, Nigeria.

CONFERENCES ATTENDED WITH DATES

23rd to 26th Oct. 2022

International Multi Conference on ICT Application AICTTRA, held at [Obafemi Awolowo University](#), Ile-Ife, Osun state.

11th to 14th Nov. 2018

12th International Multi-conference on ICT Applications of information and communication technologies to teaching, research and administration, held at [Obafemi Awolowo University](#), Ile-Ife, Osun State.

LANGUAGE PROFICIENCY

English (CEFR Level C2) - Official Language/Medium of Instruction