

TOMILAYO AYOTUNDE ALUKO

Plot 11/12 Nigerian Army Post Service Estate, Eleyele, Ibadan, Nigeria • **Mobile:** 09098847827

• **Email:** alukotomi@gmail.com • **Date of Birth:** 17th June 1999 • **Sex:** Male

PERSONAL PROFILE

My goal as a Mechatronics Engineer is to open my mind to a multitude of experiences in an attempt to develop a more analytical mind and be a highly skilled, well-rounded Engineer and member of society. I aspire to enhance the built and already existing technologies and protocols in my field and to proffer solutions that solve real world problems and inspire not only the community but also the project's client. My leadership experience, ability to work independently and with teams to achieve goals, high level of productivity and range of interpersonal skills will enable me become a valued member of your organization

PROFESSIONAL EXPERIENCE

Robotics System Engineer and Developer

August 2021 – August 2022

Robotics And Artificial Intelligence Nigeria (Ibadan) – Robotics Engineer

I underwent a Robot Development and Automation program where was am engaged in numerous projects involving Internet of things, Product design, robot development, ROS programming, Computer vision, Frontend Development, Backend Development, Advanced control systems Embedded systems, Python and Python Frameworks. After the completion of my training program, I then gained employment where my roles were:

- To facilitate the training program and educate the new and incoming trainees
- To partake and aid in project development to complete project contracts given to the company
- Good knowledge of Text-based programming like Python, or Java or C++, HTML, CSS,
- Develop specific computer science curriculum with various classes that could entail app programming, logic and critical thinking.

Engineering Technician

February 2020 – July 2020

Chevron Nigeria Limited (Lagos) - Junior Engineer

I undertook a 6-Months internship program as required by COREN towards the fulfillment of my bachelor's degree.

- Attended AUTOCAD training and carried out assignments and tasks given to recreate single Line diagrams.
- Attended Cable sizing lectures and carried out assignments and tasks using the different standards (NEC or IEC) under different given conditions.
- Participated in meetings regarding deployment of new electrical and mechanical works.
- Create solutions for electrical circuit wiring

Automotive Technician

May 2019 – August 2019

Elizade Toyota Nigeria Ltd (Ibadan) – Junior Engineer

- Performing routine automotive maintenance tasks, which could include oil change, tire rotation, battery installations, headlight and taillight installations, transmission work/flushes, air conditioner recharges, and front-end alignments
- Conducting diagnostic procedures to identify the cause of automotive issues and make effective and accurate recommendations
- Conducting necessary repairs and testing vehicles before handing them back to customers
- Inspecting vehicles to ensure they meet provincial requirements for safety and emissions
- Maintaining knowledge of current industry best practice

Maintenance Technician

May 2018 – August 2018

Nigerian Breweries Plc (Ibadan) – Junior Engineer

- Monitored and recorded daily electrical and water consumption meter values
- Researched electrical systems on site and reported to senior electrical engineer
- Repair and Maintenance of conveyor belt in canning line
- Installation of recharged batteries to forklift. Recharging used batteries from forklifts.
- Conduct research and studies on site
- Manage field activities and implement engineering designs
- Diagnose construction or machinery problems
- Resolve malfunctions or other crises when they arise
- Install new systems and technology
- Inspect and test material and machinery for safety
- Ensure proper maintenance of onsite equipment

EDUCATION

- 2017 – 2021 : AFEBABALOLA UNIVERSITY ADO-EKIT
B.ENG MECHATRONICS ENGINEERING FIRST CLASS
HONORS (4.62 CGPA)
- 2012 – 2015 : IBADAN INTERNATIONAL SCHOOL, OYO STATE
CHECKPOINT/IGCSE

PROFESSIONAL SKILLS

- Robot Design and Development (Hardware)
- Robot Design and Development (Software)
- Backend Development
- Frontend Development
- Project Management
- Experience with LINUX
- Embedded System design and development
- Electrical systems design
- Electricals Wiring and Circuit construction proficiency
- Proficiency in python and python frameworks
- Proficiency in Computer Vision
- Proficiency in Web development
- Mechanical design and Component acquisitions
- C++ Experience
- Proficiency in Microsoft Word and Microsoft Excel
- Proficiency in Arduino programming and project development

PROGRAMMING LANGUAGES GRAPHICS DESIGN, PRODUCT DESIGN & 3D MODELLING SKILLS

- C++
- PYTHON
- HTML & CSS
- JavaScript
- Proficiency in AUTODESK FUSION 360
- AUTOCAD
- PROTEUS

REFERENCES

- Dr Ayoola Olusola (PHD)
Robotics and Artificial Intelligence Nigeria (CEO & Owner)
+234 905 087 3091
osayoola@gmail.com
- Dr Adetunla Adedotun
Afe Babalola University
+234 803 576 5947
adetunla.adedotun@abuad.edu.ng
- Dr Saheed Akande
Afe Babalola University
0806 123 1291
sakande1@abuad.edu.ng.