

Moses Emeka Okoye

Phone number: (+44) 7467036320 (Home) | **Email address:** m.e.okoye@edu.salford.ac.uk |

Address: M6 5DW, Salford, United Kingdom (Home)

● WORK EXPERIENCE

15/08/2010 – 21/08/2023 Abuja, Nigeria

AIRCRAFT MAINTENANCE ENGINEER NIGERIAN AIR FORCE

- Collaborated with design, operations and support teams to achieve airworthy status across upgrades and adaptations.
- Performed troubleshooting and root cause analysis to understand engineering problems and plan corrections.
- Planned and implemented Inflight Entertainment System servicing on varied aircraft, maintaining functional systems.
- Remedied issues with external test tools using complex troubleshooting and analysis.
- Supervised line and hangar activity, motivating teams to achieve safety and quality standards within set timeframes.

06/2016 – 03/2023 Kaduna, Nigeria

TRAINING INSTRUCTOR/ LECTURER AIR FORCE INSTITUTE OF TECHNOLOGY

- I instruct Basic Airmen Aircraft Maintenance Course, Initial Engineering Officers Course and ND students on Electronics troubleshooting and repairs in the Aircraft Maintenance Department. I also supervised 400/500-level undergraduate students' projects.
- I collaborated with a team of Engineers and technologists to assemble, build and tune a 60kg MTOW, Obstacle Detection and Avoidance AGROHEXA UAV for Agricultural purposes and enable communication with the mission planner GCS and design and construction of a solar-powered UAV.
- I collaborated with a team of Engineers and technologists to design and develop a 30 kg MTOW Precision guided bomb and I actively participated in the Guidance , navigational and Control dynamics.

11/2015 – 06/2022 Abuja, Nigeria

RESEARCH AND DEVELOPMENT TECHNOLOGIST AIR FORCE RESEARCH AND DEVELOPMENT CENTER, NIGERIAN AIR FORCE

- Carrying out research and modifications on aircraft avionics and development of solutions to avionics issues experienced on Nigerian Air Force (NAF) aircraft platforms
- Collaborating with a team of engineers and technologists on the development of the NAF "Tsaigumi" UAV, assembling, calibration and fitting of various sensors and avionics components and enabling communication with the Ground Control Station on a custom-based UAVision planner
- Collaborating with team of engineers and technologists on the assembling, systems integration, tuning of the Autonomous and Radio Controlled MUGIN UAV, also achieving auto-take and landing with Ultra sonic sensors
- Collaborated with team of engineers and technologists to design and construct a prototype of a dummy 40kg Precision Guided Munition (PGM) designed to be deployed from a fighter aircraft (Alpha Jet) platform
- Collaborated with team of researchers to construct, integrate (both avionics and airframe systems), tune and operate a 16kg MTOW Hexacopter, with a 3-axis gyro stabilized EO/IR camera for surveillance and also provided a release mechanism for dropping a 5kg Precision Guided Munition (free fall PGM) also, collaborated with team of engineers and technologists to design and construct a dummy 50kg
- Precision Guided Munition (PGM) designed to be deployed from a CH-3 UAV platform, and other NAF research related projects.

06/2019 – 05/2021 Abuja, Nigeria

UAV OPERATOR/ SYSTEMS ENGINEER HARLEQUIN AVIATION INFORMATION SYSTEMS

- I operate/ fly, small to medium sized multirotor ranging from 5kg to 16kg MTOW surveillance UAVs such as the Vanguard UAV, Matrice 210 UAV as both an external pilot and systems operator
- Performing system integration, tuning and test flight of the ALTI Trainer and the Atlas surveillance UAVs (both VTOL)
- Operating/ flying the ALTI Transition VTOL UAV with a MTOW of 18.5kg.

04/2018 – 05/2021 Kaduna, Nigeria

AIRCRAFT SYSTEMS REPAIR SPECIALIST CENTRAL AVIONICS OVERHAUL AND CALIBRATION CENTRE, KADUNA

- I participate with other repairs specialist in the troubleshooting and repairs of faulty aircraft instruments such as electronic flight instruments (EHSI), Primary and Multi Functional displays, Advisory displays among others, and overhaul of engine components such as DC and AC generators and calibration of various test equipment
- Also, the re-activation of various electrical and mechanical test machines.

● **EDUCATION AND TRAINING**

Kaduna, Nigeria

NATIONAL DIPLOMA, AIRCRAFT ENGINEERING Air Force Institute of Technology, Kaduna

Website www.afit.edu.ng

01/2016 – 03/2019 Kaduna, Nigeria

BACHELORS DEGREE COMPUTER SCIENCES National Open University of Nigeria

Website www.noun.edu.ng

01/2020 – 09/2022 Kaduna, Nigeria

POST GRADUATE DIPLOMA, AEROSPACE ENGINEERING Air Force Institute of Technology, Kaduna

Website www.afit.edu.ng

06/2021 – 03/2023 Lagos, Nigeria

MASTERS, INFORMATION TECHNOLOGY National Open University of Nigeria

Website www.noun.edu.ng

09/2023 – CURRENT Salford, United Kingdom

MASTERS, AEROSPACE ENGINEERING University of Salford

Website www.salford.ac.uk

● **LANGUAGE SKILLS**

Mother tongue(s): **IGBO**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
HAUSA	C1	B2	B2	B1	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Microsoft Word | Social Media | Microsoft Excel | Good listener and communicator | Google Drive | Microsoft Powerpoint | Outlook | Matlab/Simulink | Team-work oriented | programming: Python, MATLAB and SQL | Autocad and Solidworks | XFLR5 (analysis tool for airfoils, wings and planes operating at low Reynolds Numbers)

● **ADDITIONAL INFORMATION**

HONOURS AND AWARDS

08/01/2018

Chief of the Air Staff Award Best Airman of the Year 2017. – Nigerian Air Force For ingenuity in the incorporation of various sensors in the design and construction of the first indigenous UAV.

NETWORKS AND MEMBERSHIPS

07/2017 – CURRENT Abuja

Member, Society of Licensor Aircraft Maintenance Engineers of Nigeria

06/2015 – CURRENT Lagos

Member, Institute of Safety Professionals of Nigeria