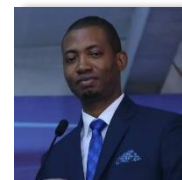


OJO PATRICK DUKE

Duke House Consulting, Leadership Grades Ajibike Close, Off RCCG Camp, Mowe , Ogun State, Nigeria
 |Ph:+2348065230480|E.mail: dukepato2010@gmail.com||ojo.duke@terisas.ac.in

Github: github.com/dukepat

linkedIn: <https://www.linkedin.com/in/ojo-patrick-duke-1a30a365>



Profile

I hold an Advanced Certification in Software Engineering for Cloud, Blockchain and IOT, a master's degree (first class-9.92/10) in Geoinformatics and a bachelor's degree with honours in Geophysics. I have research interests in machine learning, data analytics, AI (object detection and localization), GIS and remote sensing application in atmosphere, oil and gas, health and security. I also freelance as an experienced blockchain developer with expertise in smart contract development using solidity programming language as well as developing decentralized applications on the blockchain. I enjoy developing ML models in R and python languages.

Education

Feb 2021 -- March 2022 (in view)	Advanced Certification in Software Engineering for Cloud, Blockchain and IOT, IIT Madras & Great Learning, India [Among top 5 Students]
Jul. 2019 – Jul. 2021	MSc Geoinformatics, TERI School of Advanced Studies, New Delhi India [Overall best graduating student (9.92/10, Second best in university's history)]
Sep 2013 – Jul 2014	Diploma in Computer Hardware and Software Engineering & Diploma in Project Management (Proficiency in Primevera P6), NCC/USFA/Zion Technologies Joint Project, Lokoja
Feb 2009 – March 2013	BSc (Hons) Geophysics, Federal University of Petroleum Resources Effurun (FUPRE), Nigeria [Best graduating in department]
Feb 2006	Certificate Course: Computer Programming, University of Agriculture (Computer Center), Abeokuta, Nigeria.

Academic Awards/Recognitions

2021	Overall Gold medalist and best graduating student TERI School of Advanced Studies (TERI SAS) and second best in the university's history with CGPA of 9.92/10 (Best in history being 9.93/10).
2021	Gold medal recipient, Geoinformatics, TERI School of Advanced Studies (TERI SAS).
2021	Member of the prestigious Wall of Honour, TERI SAS, New Delhi, India
2020	Winner of Esri's India Young Scholar Program after having the best research poster presentation, Esri India.
2016	Awardee and scholar of the prestigious Niger Delta Development Commission (NDDC) Scholarship, NDDC, Port Harcourt Nigeria.
2016	Certificate of Recognition as a IT resource Person at ICT Camp (iCamp 2016) Reconnaissance Education Foundation (REF), PH, Nigeria
2013	Best graduating student with CGPA 4.37/5.0, Department of Earth Sciences, FUPRE.
2013	Certificate of Merit, The Redeemed Christian Fellowship, CRM, Nigeria.
2012	Certificate of Excellence and Accomplishment, The Redeemed Christian Fellowship, CRM, Nigeria.
2012	Scholar and awardee, CAMAC Scholarship for best student in department, by CAMAC Oil and Gas, Lagos Nigeria.
2010	Excellent student grant awardee, National Association of Petroleum Explorationists (NAPE), Nigeria.

Publications and Projects ¹/Poster²/Conference³/Supervisions⁴

Submitted (In review) ¹	Comparison of UAV and SAR performance for crop type classification using machine learning algorithms: A case study of humid forest ecology experimental research site of West Africa. International Journal of Remote Sensing
Submitted (In review) ¹	Assessment of Temporal and seasonal variations in short-wave broadband albedo over Nigerian land cover. Remotesensing.
2014 ¹	Ofuyah, W.N., Alao, O.A., Duke, P. and Asadu, A.N. (2014). The Application of Fourier Transform in the Interpretation of Subsurface Stratigraphy. Journal of Environment and Earth Science, Vol.4, No.18, 2014, Pp. 68-75.
2020 ²	Landfill Suitability Mapping of Lagos State, Nigeria: Analytic Hierarchy Process (AHP) and GIS Approach, ESRI Poster Presentation, 2020 [link]
2015 ⁴	Lithostratigraphic Delineation of Oil Well Using Well Logs, A National Diploma Project, Department of Petroleum and Mineral Resources Engineering, Kogi State Polytechnic, Lokoja Nigeria.
2014	The Application of Fourier Transform in the Interpretation of Subsurface Stratigraphy, NAPE Mini Conference UNIPORT, 2014 (Paper rated as one of the best: 10 th of over 70 papers)
2013 ¹	Spectral Analysis of Seismic Lithofacies Using Fourier Transform, Degree Project, Earth Sciences, FUPRE.
2013 ³	Time-Lapse Seismic in the Niger Delta: Challenges and Successes", Geophysical Seminar, Earth Sciences, FUPRE
2012 ³	Fresh Water: The Path to Depletion and Extinction, Nape Chapter Seminar Earth Sciences, FUPRE.

Work and Leadership Experience

Jul 2021-present	Independent researcher in machine learning, GIS and remote sensing; blockchain development- smart contract and dApp, freelance teacher on data analytics and programming languages – python, R, solidity and cloud technologies (AWS).
Feb 2021- Jun 2021	Research Intern, International Institute of Tropical Agriculture (IITA CGIAR). Researched on crop classification using ML algorithms like support vector machines and random forest.
2016-2019	Director, Duke House Consulting. Teaching programming language (python), training on cryptocurrency trading and investment, leadership trainings, SMS platform management etc.
2014-2016	Administrative assistant and server administrator, Jephthah Schools, Port Harcourt, Nigeria
2014	Assistant presiding pastor, City of Light Youth Church, RCCG Kogi 3, Lokoja, Nigeria
2013	Teen pastor, Kogi Province 3 RCCG, Lokoja, Nigeria
2013-2014	Lecturer of Petroleum Engineering, Department of Minerals and Petroleum Resources Management, Kogi State Polytechnic, Lokoja.
2009 – 2013	Pioneering president, Redeemed Christian Fellowship, Federal University of Petroleum Resources, Effurun.
2011-2012	Chair of Student Electoral Committee Student Union Government (SUG) elections (2012), Vice-chair of Student Electoral Committee SUG elections (2011),
2011-2012	Safety Officer -Trainee (Intern), Gramen Petroserve Nigeria Limited
2009-2011	Welfare/Sport Secretary, Nigerian Association of Petroleum Explorationists (NAPE) FUPRE Student Chapter.

Softwares, Programming Languages and Tech Suites

Image processing softwares	TerrSet, ERDAS Imagine, ENVI, Geomatica, ESA SNAP, BRAT (expert in these),.
GIS and Database softwares	ArcGIS 10.7, ArcGIS Pro, Arc GIS Online, QGIS, SAGA GIS, FLOWMAP, GDAL, DBMS/RDBMS Oracle9i (familiar), MySQL, PostgreSQL 10, MongoDB. (expert in most of these).
Programming	R 3.3.0 (advanced), Python (advanced), C (intermediate), C++ (intermediate), Fortran, QBasic. IDL (familiar), Google Earth Engine-Javascript (advanced).
Statistical and Visualization Softwares	SPSS, Excel, Power BI, Google Data Studio.
Cloud (AWS) Technologies	IoT Core, DynamoDb, Kinesis, Devops, Apache Spark etc.
Blockchain	Solidity, Truffle, Geth, Besu Hyperledger, Ganache,
Others	Netlogo, Grads, Microsoft Office Suite