ABIODUN EMMANUEL, OYEDIRAN
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RESEARCH INTERESTS

- Forest Biometrics
- GIS and Remote Sensing
    - Carbon sequestration
    - Hydrology
- Ecology – Landscape Ecology

EDUCATION

Institution	Certification	Year
University of Ibadan, Nigeria	B.Sc. Forestry	2016 -23
Kingdom international private school	West African Senior Secondary Examination Certificate (W.A.S.S.C.E.)	2010-16

WORK/RESEARCH EXPERIENCE

Research Assistant,   2021-23
Department of Social and Environmental Forestry, University of Ibadan
Advisor: Dr Akintunde-Alo Daniel.
- *Writing of reports and scientific papers*
- *Spatial and Forest Inventory Data Collection*
- *Processing, and Analysis of data using GIS and Remote Sensing technologies and techniques*
- *UAV Drone mapping.*

Undergraduate Thesis,
Department of Social and Environmental Forestry, University of Ibadan   2021-23
Thesis: Geodatabase of Awba Dam Catchment Basin Plantation in The University of Ibadan, Ibadan, Nigeria.

Research Team,   2023
Aerial Survey of Emmanuel Alayande University of Education using DJI Phantom 4 pro v2.0.
- *Spatial Data collection*
- *Spatial Data wrangling and analysis using Agisoft metashape pro software*
- *Map Production*

GIS Analyst,   2021-22
WASH (Water, Sanitation and Hygiene) Project.
- *Facilitator (Mobile GIS Training,)*
- *Data collection,*
- *Data wrangling and analysis,*
- *Map production.*

Research Intern,   2020-21
University of Ibadan,

- *Awba Dam Rehabilitation and Integrated Management Project*
- *Inventory analysis of Nauclea diderrichii trees at Forestry Research Institute of Nigeria Arboretum*
- *Ecological survey of forest tree species, University of Ibadan Botanical Garden.*
- *The Cost-Benefit Analysis of sisal (Agave sisalana) fibre as means to resolve unemployment among Nigerian youths.*
- *Silvicultural and suitability pretreatment method for germination of Teak (Tectona grandis).*

SKILLS

Statistical: SPSS, Minitab, Past, SAS, CurveExpert, Easyfit, FastStatistics, Microsoft Excel, R (Beginner).
Programming: Python (Beginner), R(Beginner), SQL(Beginner).
GIS and Remote sensing: Mobile GIS (ArcGIS Survey, Avenza, MapinR), ArcMap, QGIS, ArcGIS Pro, Google Earth Engine(Beginner), ArcGIS Online, ENVI, Terrset, Fragstat.
Microsoft Office: Good command of: Microsoft PowerPoint, Microsoft Word, Microsoft Excel
Organizational: Leadership Skills; Observatory & Analytical skills; Excellent team player.

SELECTED CERTIFICATES WITH DATES

- Remote Sensing Image Acquisition, Analysis and Applications	Coursera	2023
- Active Passive satellite data analysis using cloud computing for surface water/flood mapping for water-related application	UNU-INWEH	2023
- Tropical Forest Landscape 101: Conservation & Restoration	Coursera	2023
- Database Design and Basic SQL in PostgreSQL	Coursera	2022
- Ecology: Ecosystem Dynamics and Conservation	Coursera	2022
- Use of GIS in Forest Inventory Sampling Design	FFPS	2022
- Python programming foundation	Udacity	2022
- Cartography	ESRI	2022
- Introduction to forest and landscape restoration	FAO	2022
- R Programming	Coursera	2022
- Getting Started in Google Analytics	Coursera	2022
- Inspect Assets Using ArcGIS Drone2Map	ESRI	2022
- Creating 3D Products Using ArcGIS Drone2Map	ESRI	2022
- Getting Started with ArcGIS Drone2Map	ESRI	2022
- Creating Imagery Products with Site Scan for ArcGIS	ESRI	2022
- Getting started with site Scan for ArcGIS	ESRI	2022
- Introduction to Python	DataCamp	2021

CONFERENCES/WORKSHOPS/SEMINARS

- Participant at Forests and forest products 8th Biennial Conference	2022
- Facilitator at Use of GIS in Forest Inventory Sampling Design Training	2022

- Participant at Opportunities for African Youth to lead Sustainable Solutions in a Changing Climate   2022
- Participant at DSN AI Invasion workshop on python and Machine learning   2022
- Participant at Stakeholder's engagement on the development of rural water supply &Sanitation investment plan in Nigeria.   2022
- Participant at Using Earth Observations for Pre- and Post-Fire Monitoring Workshop   2022
- Participant at 4-Days Workshop on R programming for Statistical Analysis   2021
- Participant at Gender Awareness and Forest Management Techniques in Oyo state Workshop   2021
- Participant at 20 Days GIS & RS Training on QGIS and ArcMap Training   2021

ORGANIZATONS

- Member, The Tree Club   2016 – current
- Member, University of Ibadan Chess Club   2017 – current
- Member, Renewable Natural Resources Student Association (RENARSA)   2018 – current
- Member, International Forestry Students Association (IFSA)   2018 – current
- Member, Plogging Nigeria Club   2018 – current
- Member, Data Scientist Network   2018 – current
- Member, International Society of Tropical Forestry (ISTF)   2020 – current
- Member, EdenWorld   2022 – current

MANAGEMENT AND LEADERSHIP

- Class representative   2022-23
- Member of Audit committee, Renewable Natural Resources, University of Ibadan   2020-23
- Group leader (Practical Year Training Program, University of Ibadan)   2020-21