Nwajiaku, Chiamaka Loretta

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EDUCATION

PhD Geography (Cartography and Geographic Information Science)	Aug	2025-till present
University of Iowa, United States		
M.A Geography (Cartography and Geographic Information Science) (3.91)	Aug	2023-May 2025
University of Iowa, United States		
B.Sc. Geography and Planning (4.71/5)		
University of Lagos , Nigeria		2016 - 2020

WORK AND TEACHING EXPERIENCE

Department of Geographical and Sustainability Sciences, University of Iowa, USA. Aug 2023 – till present
Research and Teaching Assistant, Fall 2024
- Developed a webGIS application for teaching us history, demography and migration patterns (https://geosocial.geography.uiowa.edu/rootsmigrants/)
- Provided support to students taking diverse GIS courses to address any issues with GIS.
- Lab Instructor for Introductory GIS course (GEOG 2050)

Union Systems Limited
Software Engineer I/Development Operations   April 2021-June 2023
- Setting up and Maintenance of Databases and application servers for User Acceptance Testing (UAT) and Production
- Continuous deployment and integration of applications to internal and external services
- Technical support for staff and customers.

A.A Orogbangba & Co (Surveying and Geoinformatics) Lagos, Nigeria
Undergraduate Intern   2019
- Created Land surveys (Plotting of Traverse) with the use of AUTOCAD software
- Facilitated Measurement of Lands with survey equipment such as theodolite.

PERSONAL DEVELOPMENT AND CERTIFICATIONS

- Geospatial and Environmental Analysis - Coursera   July 2022
- Geospatial Information Technology(GIT) in Fragile Contexts   April 2022
- GIS Data formats, Design and Quality-Coursera   April 2022
- Cartography MOOC -Environmental Systems Research Institute   March 2022
- Do-It-Yourself Geo Apps MOOC - Environmental Systems Research Institute   February 2022
- Data analysis and Visualization Foundations by IBM - Coursera   November 2021

COMMUNITY SERVICE & VOLUNTEERING

Lagos Food Bank   October 2021 – July 2023
- Packaging of Food and personal care items for Beneficiaries
- Facilitated in distributing of Food and personal care items to Beneficiaries
- Assisted in the distribution of food to food-insecure students
- Registration of beneficiaries

Humanitarian OpenStreetMap   November 2019
- Contributed to Humanitarian mapping for natural disasters

Nigeria See4All Mapathon   (GIZ)   July 2020
- Contributed to mapping on OpenStreetMap to support electrification planning

SKILLS

Technical skills: ArcGIS pro and ArcGIS Online (Proficient), QGis (Proficient), ENVI, JOSM editor, Microsoft Office Suite, Google Suite, SQL(Proficient), Excel (Proficient), Pentaho Data integration, Jasper Report Server, Linux(Proficient), Programming: Python, Java, JavaScript (Intermediate), AUTOCAD (Basic)
Organization skills: Analytical and Documentation skills.