

# Nwajiaku, Chiamaka Loretta

+1 (319) 318-2114 | [lorettanwajiaku@gmail.com](mailto:lorettanwajiaku@gmail.com)

Iowa City, IA, 52245

| [www.linkedin.com/in/loretta-nwajiaku-907100168/](https://www.linkedin.com/in/loretta-nwajiaku-907100168/)

## RESEARCH INTERESTS

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GIScience, Geovisualization, Migration, Health Geography, Food Security

## EDUCATION

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University of Iowa

**M.A Geography (Cartography and Geographic Information Science)**

August 2023-date

University of Lagos , Nigeria

**B.sc. Geography and Planning**

December 2016 - 2020

First Class Honors- CGPA of 4.71/5.00

## WORK EXPERIENCE AND INTERNSHIPS

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**Department of Geographical and Sustainability Sciences, University of Iowa**

Aug 2023 – till present

Research and Teaching Assistant

- 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 (DEVOPS)**

April 2022-June 2023

- Setting up of Report Servers for User Acceptance Testing (UAT) and Production
- Deployment of software using containerization using CI/CD
- Maintenance of deployment infrastructure
- Technical support

**Early Career Ocean Professional (UNODECADE)**

Aug 2020- date

**Programme Assistant**

- Arranged official meetings
- Managed activities of the Africa regional node
- Sending out of official mails and fostering effective communication between the Network

**A.A Orogbangba & Co**

May 2018 - Aug 2018

**Undergraduate Intern**

- Creating of transverse plots for land surveying using CAD
- Assisted in taking Land measurement with land surveying tools

## PEER-REVIEWED PUBLICATIONS

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- Makanju AO, Ndukauba PC, **Nwajiaku LC**, Olajide IO, Ogungbemi OS, Adesina JI. Unequal aging in Nigeria: evidence on pre-COVID 19. Aging Commun 2022;4(4):19  
<https://doi.org/10.53388/AGING202204015>
- Makanju A, Uriri A, **Nwajiaku L**, Ogungbemi O. A cross sectional study on the socio-economic determinants of later life frailty in southwestern Nigeria. Aging Commun.2022;4(4):20.  
<https://doi.org/10.53388/AGING202204020>

- **Nwajiaku, C. L., Koylu, C., Cai, J.** (In preparation) Roots&Migrants: A user-centered story map application for teaching and learning historical population dynamics in the United States. Cartography and Geographic Information Science.

## CONFERENCE PRESENTATIONS

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- **Nwajiaku, C. L., Koylu, C.,**(October 2024) Roots&Migrants: A user-centered story map application for teaching and learning historical population dynamics in the United States. NACIS Conference, Tacoma, Washington.
- **Nwajiaku, C. L., Koylu, C.,**(March 2025) Roots&Migrants: A user-centered story map application for teaching and learning historical population dynamics in the United States. AAG Conference, Detroit, Michigan.

## PERSONAL DEVELOPMENT AND CERTIFICATIONS

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|---|---------------|
| • Oracle SQL proficiency  | July, 2022    |
| • Youth Leadership Programme, Leap Africa                           | July 2022     |
| • Oracle database foundations                                       | May, 2022     |
| • Geospatial Information Technology(GIT) in Fragile Contexts        | April 2022    |
| • GIS Data formats, Design and Quality-Coursera                     | April 2022    |
| • Data visualization and dashboards with excel and cognos- Coursera | November 2021 |
| • Jobberman Soft Skills Training Certification - Jobberman          | October 2021  |

## PROFESSIONAL AFFILIATIONS

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| • Member, Young African Leaders Initiative (YALI)                                  | July 2022-Present  |
| • Member, Institute of Professional Entrepreneurship Development (IPED)            | July 2022 -Present |
| • Associate member, Chartered Institute of Environmental Health and Safety (CIEHS) | May 2022-present   |
| • Member, Women in Data Africa   | 2022-Present       |
| • Member, Youth Mappers Organization   | 2021-Present       |
| • Member, Africa Geoportal Community   | 2021-Present       |
| • Member, African Women in GIS   | 2021-Present       |

## COMMUNITY SERVICE & VOLUNTEERING

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### Leap Africa Change Project

- Organized and conducted a skills acquisition program for People Living with disability June 2022

### 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 - Present

- Contributed to Humanitarian mapping

### Google Local Guide (Level 4)

October 2019 – Present

- Facilitating accurate maps for easy identification of Locations

### The Pearl Project Volunteer

February 2022

- Facilitated the training of 300 girls on Gender Based Violence

### Nigeria See4All Mapathon (GIZ)

July 2020

- Contributed to mapping on OpenStreetMap to support electrification planning

### Key to the City Initiative

October 2019

- Contributed to a campaign to counter hate speech and prejudice towards slum communities.

## LEADERSHIP EXPERIENCE AND EXTRACURRICULAR ACTIVITIES

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- **Deputy team lead**, Skill Acquisition program for People Living With Disabilities 2022
- **Team Lead**, Lectures and Program Committee, NYSC Lagos Camp 2022
- **General Secretary**, National Association of Geography Students (UNILAG CHAPTER) 2020
- **Field Trip Captain**, Class of 2019 Field Trip 2019

## AWARDS AND HONORS

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- NACIS Conference Travel Grant (\$500) 2024
- Endowment Scholarship for First Class students, University of Lagos 2017
- Winner of Annual Nigerian Stock Exchange Essay Scholarship Award 2015

## SKILLS

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**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), Database Management Systems (DBMS)

**Organization skills:** Analytical and Documentation skills.