

OLANIYI, ISMAILA ABIOLA

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EDUCATION

Purdue University, West Lafayette, IN

Aug 2021 – Present

Master of Science in Civil Engineering (Geomatics) (SGPA: 3.47/4.0)

University of Lagos, Lagos, Nigeria

Oct 2014 – Nov 2018

Bachelor of Science in Surveying and Geoinformatics (CGPA: 4.66/5.0)

Federal School of Surveying, Oyo, Nigeria

Oct 2011 – April 2014

National Diploma in Surveying and Geoinformatics

PROFESSIONAL EXPERIENCE

Purdue University, Lyles School of Civil Engineering, West Lafayette, IN, United States.

Graduate Teaching Assistant, CE 203 – Principles and Practice of Geomatics

Aug 2021 - Present

- Conducting Lab and field trainings for undergraduate students assigned to my weekly sessions.
- Assisting the students in building competencies in ArcGIS Pro, Agisoft Metashape, and other geospatial tools.
- Assessing undergraduate students' lab submissions and field training exercises.

Georeal Build Limited, Lagos State, Nigeria

Geomatics Engineer - Land Surveying, UAV Mapping and Construction works

May 2020 – Jul 2021

- Successfully carried out survey projects for the company's clients.
- Setting-out structural designs and as-built surveys on clients' construction sites.
- Assisted in carrying out UAV mapping as well as processing the acquired datasets.

Polaris Digitech Limited, Lagos State, Nigeria

Geospatial Data Analyst (Intern)

Nov 2018 – Apr 2020

- Assisted in field data collection projects, such as Google Street View, Eko electric facility mapping, etcetera.
- Processed and uploaded electricity utility users' data into the clients' database.
- Assisted in the vectorization of analog multicriteria Australian survey plans using Carlson IntelliCAD software.
- Ensured that quality assurance checks were done on the plotted plans using some Python scripts.

TECHNICAL SKILLS AND CERTIFICATIONS

Software Literacy: ENVI software, ERDAS Imagine, Microsoft Office Suites, CADD packages, HYPACK, Surfer software, Google Earth Engine, ESRI ArcGIS, ArcGIS Earth, Pix4D Mapper, Adobe Suites, Agisoft Metashape, and Trimble Business Center.

Programming Skills: Python, MATLAB, R, and Web Programming.

Equipment Proficiency: Total stations, GNSS, DGPS, Level Instruments, Underground utility scanners, Mapping drones, Distomats, Echo sounders, and Handheld GPS.

Languages: Proficient in both spoken and written English and Arabic.

Certifications: Project Management Professional - 2019, Health, Safety and Environment Management (1 & 2) – 2019

PROFESSIONAL MEMBERSHIPS

- **Student Member**, American Society of Civil Engineers 2021 – Present
- **Student Member**, Indiana Geographic Information Council 2021 – Present
- **Individual Member**, International Society for Photogrammetry and Remote Sensing 2021 – Present
- **Student Member**, American Society for Photogrammetry and Remote Sensing 2021 – Present
- **Student Member**, Indiana Society of Professional Land Surveyors 2021 – Present
- **Member**, EducationUSA Opportunity Funds Program 2020 – Present
- **Member**, University of Lagos Alumni Society 2018 - Present

HONORS AND AWARDS

- **Recipient**, Oyo Caucus Prize for best in Surveying Projects 2019
- **Recipient**, University of Lagos Endowment Award Scholars Category 2014 - 2018
- **Recipient**, Fugro Nigeria Limited Academic Excellence Scholarship 2017