

LEONARD FIDELIS

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◦ DETAILS ◦

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◦ LINKS ◦

[LinkedIn](#)
[YouTube](#)

◦ SKILLS ◦

SQL - PostGIS

G – Big Query

ArcGIS Pro

QGIS

Google Earth Pro

AutoCAD | TerrSet

◦ EQUIPMENT ◦

GNSS | CORS STATION

DUMPY LEVEL

TOTAL STATION (Robotic)

THEODOLITE

◦ HOBBIES ◦

Music, Football & Tech

👤 PROFILE

Geomatics Engineering Major with 2-year experience in GIS Analysis, Digital cartography, and technical report writing. I enjoy mastering new technologies and currently boast skills in Digital Mapping, Image Processing, Database Design, and Network Design and Analysis. My background in copywriting also sets me up perfectly for detailed documentation of project analysis. Looking to contribute my skills to a worthwhile project where I can also learn and grow.

🔧 PROJECTS

Data To World Polygons

June 2022 - Present

- I wrote multiple queries to retrieve spatial data from a dozen data sets.
- Tasked with populating the parent polygon data with the derived data, thereby creating a World weather and elevation database.
- Among challenges faced were data loss due to multiple file format conversions (from GeoJson, Geopkg, grd, and Geotiff to shapefiles)

Water Distribution Network Design

February 2022

- Tasked with producing a water distribution network for the housing estate in Ogida Barracks, Benin City, Nigeria.
- I developed an elevation profile using DEM data from Open-Topography, the elevation profile was used to determine the highest points on the map. Aiding the location of the storage tanks.
- Performed calculations to determine the projected population, pumping plan, pipe sizing, and the capacity of the storage tanks to be used.
- The distribution network was designed using QGIS, showing all features of water-head works.

Here's a link to a [detailed report as presented.](#)

Digital Mapping Projects

2021 - 2022

- Designed a racial dot map showing the major races in the US state of New York.
- Produced a digital soil map showing all soil types in Nigeria.
- Digital administrative maps, showing all Local Government Areas.
- Developed a study area map using QGIS

Location of Recreational Facilities Within UNIBEN (School project)

June 2019

- I served as team-lead for a group of 10+ students intending to solve the lack of enjoyment and participation in recreational activities by UNIBEN students.
- Using GIS Techniques, the reasons for lack of interest were analyzed with suggested locations for more convenient facilities.
- As part of a group of three, all digitizing tasks were completed, while every member had a role to play in various sections of the report writing

EMPLOYMENT HISTORY

GIS Analyst | YawaSOS | Nigeria

March 2022 — Present

- Address Geocoding using Google Maps API Key on QGIS
- Data cleaning and formatting using basic to complex SQL queries.
- Tasked with populating the meta and ownership data of a property database of states in Nigeria, starting with Rivers state.

Intern GIS Analyst and Field Surveyor | Route Tracers Global | Port-Harcourt

April 2021 — August 2021

- Produced site plans and calculated housing layouts using AutoCAD
- Carried out field surveys like; cadastral, As-built, and Sounding operations, which developed my understanding of the working principles of survey equipment such as GNSS, Total Station, and Digital echo sounder, amongst others.

Freelance Content Writer | Independent Contractor

January 2019 — Present

- Collaborated with various Content Managers and Copywriting teams in completing all phases of client projects from planning to on-time completion of quality deliverables
- Collaborated with clients in the development of brand-specific content, maintaining consistency with brand marketing and messaging strategies
- Used keyword research to map out content plans in keeping with specific marketing objectives

EDUCATION

Joint University Preliminary Education Board | University of Benin | Benin City

November 2016 — June 2017

B.Sc. Geomatics | University of Benin | Benin City

January 2018 — Present

Completed the following relevant courses;

- Advanced Remote Sensing
- Space And Satellite Geodesy
- Digital Image Processing
- Highway Design
- Water Resources and Environmental Engineering

Graphics Design – UI/UX | California Institute of Arts | Coursera

April 2020 — September 2020

Spatial Data Science & Applications | Yonsei University | Coursera

March 2022 — April 2022

Intro to GIS Mapping | University of Toronto | Coursera

September 2020— October 2020