

# ENIOLA BABATUNDE

## GEOSPATIAL DEVELOPER/ DATA SCIENTIST

### CONTACT

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### SKILLS

- ArcGIS (Desktop, Pro & Online)
- Javascript
- R/ R shiny
- QGIS
- Leaflet
- Git
- D3.js
- Python (arcpy, matplotlib, geopandas)
- SQL (Oracle, PostGIS, PostgreSQL)
- HTML/CSS
- Jinja 2 templating
- CartoDB
- Storymaps

### LEADERSHIP SKILLS

- Tutoring classmates and other students through coursework at undergraduate level
- Class representative and team lead for field survey projects
- Proper remittance of funds as financial secretary of student society

### PROFILE

Adept in spatial data analysis, GIS development (particularly OpenSource) and data science. With over 4 years' experience in spatial analysis, spatial data science and GIS development. Demonstrated a high degree of versatility and adaptability through stellar performance in multiple industries including historical studies, transportation, environmental planning and offshore renewables. Utilizes a technical and innovative approach to problem-solving through engineering background in Surveying and Geoinformatics

### EXPERIENCE

#### SPATIAL DATA SCIENTIST (TEMPORARY)

HS2 (HIGH SPEED TWO), UK | APR 2020 - PRESENT

- Driven digital innovation; produced and developed several R shiny apps for the HS2 Ecology Data Delivery Team for data manipulation and integrity.
- Managed a team of R developers, led and coordinated for code version control on git.
- Developed spatial techniques and queries in R (including Leaflet for R),
- Produced SQL queries to fetch data via an API
- Produced R markdown documents for reporting

#### GIS CONSULTANT - DIGITAL DELIVERY (CONTRACT)

SCOTTISHPOWER, UK | SEP 2019 - MAR 2021

- Developed several apps for the offshore renewables team, these include dashboards, web apps and storymaps.
- Produced geoprocessing toolboxes using python to automate workflows.
- Provided innovative solutions, enabling better understanding of their data, tracking of ships and archaeological data,
- Developed a tool that converts ship historical vessel location via an API to lines which pushes them back to ArcGIS Online and are automatically visualized on a web map

#### GRADUATE GIS CONSULTANT (FULL-TIME)

AECOM, UK | JAN 2019 - PRESENT

- Produced high quality cartographic output, production of several maps with a standardised approach of professional map production using data driven pages,
- Successfully automated tasks by creating python scripts to read many map documents and geodatabases.
- Provided interoperability solutions - using web map services (WMS) and web feature services (WFS)
- Integrated PostGIS and QGIS for interoperability and visualizing maps with Leaflet
- Geospatial data management

## AWARDS

- Head of School Scholarship Geosciences, 2017 (University of Edinburgh)
- Scholarship for Academic Excellence 2017 (Fugro Nigeria Limited)
- Endowment Scholarship for Academic Excellence 2016 (University of Lagos)

## VOLUNTEERING

Created a small tutor group to mentor and coach young students in preparation for their West African Examination Council (WAEC) exams in Lagos, Nigeria.

## LANGUAGES

- English
- French
- Yoruba
- Arabic

## HOBBIES AND INTERESTS

- Fitness enthusiast
- Hiking
- Travelling
- Footballing

## CONTINUOUS PROFESSIONAL DEVELOPMENT

- Spatial Data Analytics - ESRI MOOC 2020
- Cartography - ESRI MOOC 2020
- Server-side web GIS applications with Leaflet and PostGIS (Udemy)
- PHP registration, login and content management (Udemy)
- GIS Research UK (GISRUK) 2018
- AGI Conference 2018
- GeoData Aware 2017
- ArcGIS Pro Online courses

### GRADUATE INTERN

INTERSPATIAL TECHNOLOGIES, NIGERIA | DEC 2016 - SEP 2017

- Prepared flood risk maps with LiDAR data using various GIS and modelling systems such as ArcPy, ESRI's model builder, HEC-HMS and HEC-RAS
- Provided regular progress report and flooding information to supervisors and clients and ensuring end documents satisfy their requirements.
- Managed various spatial data and data and information systems in line with internal policies, procedures, and best practice and ensuring databases are up to date.

### UNDERGRADUATE INTERN

INTERSPATIAL TECHNOLOGIES, NIGERIA | JUL 2015 - DEC 2015

- Successfully collected field data with Trimble Juno using ArcPad
- Undertook perimeter survey of land parcels using DGPS in line with client requirements
- Map digitization and creation of survey plans using ArcGIS and AutoCAD respectively.
- Ensured proper conversion of CAD data to GIS formats to be overlain on orthophotos

## EDUCATION

### MASTERS OF SCIENCE, GEOGRAPHICAL INFORMATION SCIENCE

UNIVERSITY OF EDINBURGH | 2017 - 2018

World class GIS programme, developing strong practical skills with fundamental theoretical knowledge to support the application of GIS skills in any software environment.

Providing vast amount of knowledge in advanced spatial analysis, geovisualisation, project planning, and mapping with an excellent grounding in GI technology.

Dissertation: Developed an interactive open source web map for historical analysis in Islay, Scotland using Oracle, HTML, CSS/JavaScript, Leaflet and open source technologies.

### BACHELORS OF SCIENCE, SURVEYING AND GEOINFORMATICS ENGINEERING

UNIVERSITY OF LAGOS | 2011 - 2016

1st Class Honours (4.60 out of 5)

Advanced skills in land survey, spatial analysis, GPS field data collection, mapping and geodesy.

Other skills developed include: Effective teamwork, data analyses, writing clear and concise reports and clear presentation of data in appropriate forms.

## REFERENCES

Available upon request