



# YOUSSEF ARHRIB

## GEOSPATIAL SOFTWARE ENGINEER

### PERSONAL PROFILE

As a geographic information system (GIS) engineer. I am Passionate about using new technologies to solve problems that have a spatial spatial aspects.

### CONTACT DETAILS



Benslimane,13000Maroc



youssef.arhrib@gmail.com



(+212)616428231



in/youssefarhrib



github/youssefarhrib

### EXTRACURRICULAR ACTIVITIES

- Graphic Designer
- Faculty of Science and Technology.  
Club geoinformation. 09/2018 -09/2020.

### SOFT SKILLS

- Problem solving.
- Sense of responsibility
- Data analysis
- Curiosity.
- Team spirit.

### LINGUISTIC SKILLS

- Mother tongue(s): ARABIC
- Other language(s): FRENCH (C1) - ENGLISH (B2)

B1 and B2: independent user;  
C1 and C2: experienced user;

### CENTER OF INTEREST

- Camping .
- Hand-Ball.
- Reading Books

### EDUCATION

- 09/2018 – 10/2021– Tangier  
Geospatial software engineer – Faculty of Science and Technology (FST).
- 09/2016 - 06/2018 - Tangier  
Scientific and technical university diploma - FST.
- 09/2014 - 06/2016 - Benslimane  
Baccalaureate - Mathematical Science( A) - Hassan II

### WORK EXPERIENCE

- 03/2023– 05/2023– Rabat( Freelance)
- GIS Web Developer  
Creation of a webmapping platform for real estate management  
Tools used: Geodjango, React, Postgresql,Leaflet...

- 09/2022– 02/2023– Temara( Artop)
- GIS Web Developer  
Modeling and development of a WEB-GIS platform for BI business management and mapping in ouarzazate .  
Point cloud segmentation.  
Tools used: Python, Streamlit, Postgresql, Open3d, Geopandas...

- 03/2022– 08/2022– Léon, Spain( Université Léon)
- Spatial data scientist  
An online system based on sentinel 2 imagery to detect and monitor forest health in poplar plantations.  
Tools used: Python, Greppo, Google Earth Engine...

- 03/2021 – 12/2021 – Fès (Geo Lambert)
- GIS Web Developer  
Design and production of a webmapping platform for the dematerialization of urban planning documents.  
Tools used: Angular, OpenLayers , Postgresql, Geodjango...

- 07/2020– 09/2020 – Tanger (AGENIUM INFORMATIQUE ET SYSTÈMES )
- GIS Web Developer  
Development of an intra-city carpooling system.  
Tools used : Angular, Ionic 4, Leaflet, Firebase...

- 07/2019 – 08/2019 – Benslimane, Maroc, (Topo Said)
- assistant cartographic engineer  
Diagram studies on plans and maps.

### DIGITAL SKILLS

- **Programming language:** JAVASCRIPT ES5, Python3, SQL, TypeScript.
- **Web Frameworks** : Angular, Ionic 4, GeoDjango, Greppo.
- **SGBD** : PostgreSQL/PostGIS, Mysql.
- **Conception** : UML .
- **Webmapping Frameworks** : Openlayers, Geoserver, Turf.
- **Remote sensing tools** : Qgis, Google Earth Engine, Open Drone Map.
- **Machine Learning Frameworks:** Tensorflow
- **Version Control** : Git
- **Automatisation** : Selenium

### UNIVERSITY PROJECTS

- Display and analyze GIS data on the web with **Leaflet** and **Turf** (ecological sites in Tangier).
- Development of a Python plugin for **Qgis** to manage derogated projects.
- Modeling and development of a platform to visualize Tangier's urban transport networks.
- Creation of a geographical map of wastewater treatment plants in Morocco using **Arcgis**.