

Mathieu Souli

Geoinformation Engineering Student · Geo AI · Spatial Big Data · Web & Mobile Development

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PROFILE

Engineering student in Geoinformation (FST Tangier, Abdelmalek Essaadi University) passionate about Geo AI — Machine Learning and Deep Learning applied to geospatial data —, Spatial Big Data analysis, remote sensing, and the development of geolocated Web and mobile applications. Seeking a 2-month internship to apply these skills on projects with high territorial or environmental impact.

EDUCATION

Engineering Degree — Geoinformation 2025 – Present

FST Tangier · Abdelmalek Essaadi University · Tangier, Morocco

- Specializations: GIS, Remote Sensing, Geo AI (Machine Learning & Deep Learning), Spatial Big Data, PostGIS

DEUST — Mathematics, Computer Science, Physics 2023 – 2024

FST Beni Mellal · UAE · Beni Mellal, Morocco

Scientific Baccalaureate — Series D 2022

Horizon International School · Ouagadougou, Burkina Faso

EXPERIENCE

Intern — Cadastre Department Aug – Sep 2025

General Directorate of Taxes (DGI) · Burkina Faso

- Cleaning and correction of cadastral data (Ouagadougou area) using AutoCAD
- Digitization and vectorization of land parcels under QGIS for geospatial layer production
- Production of structured tabular data (PostGIS) for the land registry

Water Credit AI — Developer & Data Analyst February 2026

Water4Future Hackathon UNESCO · International

- Geospatial platform making every saved m3 of agricultural water traceable; Sentinel-2/NDVI monitoring + ML models for agricultural recommendations
- Stack: Python, Next.js, geospatial APIs, Machine Learning — built in 48h, presented to an international jury

TECHNICAL SKILLS

- **Geo AI — Machine Learning:** Scikit-learn, Random Forest, SVM, spatial clustering, geospatial regression
- **Geo AI — Deep Learning:** TensorFlow, Keras, CNN for satellite imagery, semantic segmentation
- **Spatial Big Data:** Hadoop, Cloudera, Hive Spatial, Spark (basics), large-scale data processing
- **GIS & Remote Sensing:** QGIS, ArcGIS Pro, ENVI, Erdas Imagine, PostGIS, GeoServer, Sentinel-2, Landsat, NDVI
- **Web Development:** React, Next.js, Vue.js, Laravel, Leaflet.js, MapLibre GL
- **Mobile Development:** React Native, geolocated APIs (iOS & Android)
- **Programming Languages:** Python, JavaScript, Java, PHP, SQL, C, HTML/CSS
- **Databases:** PostgreSQL / PostGIS, MySQL — advanced geospatial queries
- **Tools & DevOps:** Git, GitHub, VS Code, Anaconda, Jupyter, Matlab, MERISE, UML

LANGUAGES

French — C1 English — B2 Moore — Native

EXTRACURRICULAR ACTIVITIES

- Auditor — AEBM Tangier Section (Association of Burkinabe Students in Morocco), 2024–2025
- Active member — Geoinformation Club FST Tangier (GIS workshops, remote sensing, hackathons) · Scientific Committee CESAM, Beni Mellal