

ERRACHIDI Achraf

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Land Surveyor Engineer and GIS specialist

PROFESSIONAL SUMMARY

Bilingual (French & English) land surveyor engineer, expert in geographic Information Systems (GIS), with over 13 years' professional experience in cadastral work, geomatics and development of geospatial solutions.

TECHNICAL SKILLS

- **Geomatics & GIS:** ArcGIS Pro, QGIS, MapInfo, Global Mapper, FME.
- **Engineering & CAD:** AutoCAD, Civil 3D, Covadis, MicroStation, Carlson Civil Suite, MicroSurvey.
- **GNSS analysis:** Trimble Business Center, Leica Infinity (Static, RTK, NRTK, PPK, PPP).
- **Photogrammetry & Remote Sensing:** Pix4Dmapper, ENVI, ERDAS Imagine.
- **BIM:** Revit, Navisworks.

OTHER SKILLS

- **Programming:** .NET 8 « VB.NET et C# », Python, SQL, SQLite, PostgreSQL/PostGIS.
- **Office software:** Microsoft Office Suite.
- **Languages:** Bilingual (French & English).
- **Professional skills:** Leadership, Independence, Adaptability, Problem-solving.

PROFESSIONAL EXPERIENCE

Land surveyor engineer

Dec. 2013 – Apr. 2026

ANCFCC – National Agency for Land Conservation, Cadastre and Cartography
EL Jadida, Morocco

- Developed methodologies, work plans, and procedures for conducting cadastral surveys in compliance with regulatory standards.
- Planned, coordinated, supervised and carried out topographic and cadastral surveys to establish and demarcate property boundaries.
- Determined precise positions using total stations and GNSS technologies.
- Ensured control, validation and regulatory compliance of subdivision projects, divided co-ownership schemes and cadastral operations.
- Analysed, modelled, managed and visualised geospatial data using geographic information systems.
- Designed and integrated multi-source geospatial data into structured geodatabases.
- Developed GIS tools and applications to automate processes and enhance spatial analysis « [Eragis](#), [SurveyTools](#), [GNSS Data Downloader](#) ».
- Produced and updated thematic maps, cadastral maps, and topographic plans to support land management and decision-making.
- Collaborated with stakeholders to ensure the compatibility, exchange and integration of geographic data.
- Verified, validated, and certified topographic and GIS deliverables, ensuring full compliance with technical and regulatory requirements.
- Supervised, trained and provided technical support to surveyors, technicians, and GIS users.

- Acted as a technical advisor on surveying engineering and geographic information systems to internal teams and institutional partners.
- Managed systematic land registration projects covering more than 60,000 parcels (municipalities of Chtouka, Ouled Aïssa, Ouled Ghanem, etc.), ensuring technical compliance and adherence to deadlines.
- Achieved a 90% reduction in boundary demarcation planning time by developing customized GIS tools.
- Reduced technical deliverable verification time by 60% through process automation.
- Improved overall project completion timelines by 25% through workflow optimization.

EDUCATION

Degree in Surveying Engineering – WES: Master's degree **Sept. 2008 – Juil. 2013**
 Hassan II Institute of Agronomy and Veterinary Medicine • Rabat, Morocco

CERTIFICATIONS

- **Immatriculation Foncière d'Ensemble**, École Nationale d'Agriculture de Meknès **2015**
- **GPS et ses applications cadastrales**, Université Internationale de Rabat **2016**
- **Management et Communication**, Groupe Léonard de Vinci, Rabat **2017**
- **Bornage avec SIG mobile**, ANCFCC, Rabat **2019**
- **La plateforme dématérialisé IFE**, ANCFCC, Rabat **2020**

ONLINE CERTIFICATIONS « COURSERA »

- **Elements de Géomatique**, École Polytechnique Fédérale de Lausanne, 2024
- **Système d'Information Géographique 1**, École Polytechnique Fédérale de Lausanne, 2024
- **Fundamentals of GIS**, University of California, Davis, 2024
- **Spatial Analysis and Satellite Imagery in a GIS**, University of Toronto, 2024
- **BIM Fundamentals for Engineers**, National Taiwan University, 2024
- **BIM Application for Engineers**, National Taiwan University, 2024
- **C# for .NET Developers**, Board Infinity, 2024
- **Programming for Data Science**, University of Leeds, 2024
- **Deep Learning for Business**, Yonsei University, 2024
- **IBM Data Science Professional Certificate**, IBM, 2024
- **IBM Data Analyst Professional Certificate**, IBM, 2024
- **Successful Negotiation: Essential Strategies and Skills**, University of Michigan, 2024
- **Cybersecurity for Everyone**, University of Maryland, College Park, 2024