Mohamed Amine OUESLATI

GIS Analyst – Surveyor

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P E R S O N A L   S T A T E M E N T

- Trusted GIS Specialist with 4 years of experience helping design, implement, administrate and maintain GIS systems projects for companies ranging from navigation cartography, Land-use planning, mining and agriculture.
- I have built and maintained the design and development of the geodatabase for the Tunisian Agricultural land Agency (AFA), that GDB helped the company track all the projects land consolidation of all the country.
- My key achievements are participating in the cartography in the project of Rehabilitation and integration program of working class neighborhoods (PRIQH2) for the Tunisian Urban Rehabilitation and Renovation Agency (ARRU), using remote sensing imagery and ground truth collected data.
- I oversee the topography work in the project of gravimetric network for the Tunisian National Office of Mine (ONM), use the solution GNSS (RTK method) to have an accuracy of less than 5 cm at altitude.
- I have the opportunity to practice High Resolution Photogrammetry using laser scanner FARO Focus in the project of Neotectonics and recent deformation of Tunisia with the Tunisian National Office of Mine (ONM).
- Topographic experience of land surveying including fixing of Control Stations, making geometrical alignments, traversing, Leveling profile…
- Have hands on experience of many types of Total Station, Auto Levels and geodetic GPS.

P R O F E S S I O N A L   E X P E R I E N C E

GIS/CAD Officer: The Tunisian Agricultural land Agency (AFA), Tunis, Tunisia
03/02/2019 to Present

- Carrying out the work of a topographic survey and land consolidation for planning rural sector.
- Implemented collected data to enhance design and development of drawings.
- Prepared engineering plans as directed by leading engineers and project managers through use of verbal instructions and blueprints (Analyzing of irrigation network rehabilitation for agriculture water -case study: irrigated perimeter of chott mariem,Sousse - Tunisia).
- Manufacturing Geographic Data Base.
- Conducted research, gathered information from multiple sources and presented results.
- Led projects and analyzed data to identify opportunities for improvement.
- Compiled measurement and marker data from plats and drawings using public records to determine geographical boundaries of land parcels and utility locations.
- Used Geographic Information Systems technology and equipment to produce detailed maps.
- Creating, collecting, modeling, analyzing and mapping geospatial data to extract insights that support decision-making.

GIS officer: The Tunisian Urban Rehabilitation and Renovation Agency (ARRU), Ariana, Tunisia
01/11/2019 to 02/2/2020

- Collected and manage spatial data from international organizations to create web maps and publish services in open source environment.
- Land-use projects (using multiple data layers analyzed with QGIS, ArcGis, OSM and MySQL).
- Create geographic database (urban area, project name: Rehabilitation and integration program of working class neighborhoods PRIQH2).

Surveyor Officer: BU.T Group, Tunis, Tunisia
08/07/2019 to 23/10/2019

- Define and record the boundary of properties and legislative area.
- Detected of mining subsidence and volume, the environmental effects of land.
- Applied the land division and consolidation in rural areas.
- Executed road survey project (on strip) and created topographic side plan, (pre-project).
- Created visual presentations of topographical characteristics using QGIS and ArcGIS.
- Compiled measurement and marker data from plats and drawings using public records to determine geographical boundaries of land parcels and utility locations.

Surveyor Officer: The Tunisian National Office of Mine (ONM), Charguia I, Ariana, Tunisia
01/07/2018 – 30/06/2019

- Preparing and making of the topographic works for the national gravimetric project using GPS Geodetic (RTK Method and rapid static method).
- Carried out gravimetric acquisition using CG5 Gravimeter.
- Used of digital terrestrial photogrammetry in archaeological site (Roman aqueduct) using laser scanner FARO Focus in the project of Neotectonics and recent deformation of Tunisia (inside a collaboration project with laboratory from Strasbourg).
- Applied the topographic works for projects using gravimetric profile.

Surveyor Officer: BU.T Group, Tunis, Tunisia
10/07/2017 to 10/09/2017

- Establish cadastral survey to determine land boundaries.
- Surveying in the mining sector: survey topographic and establish of soil volume in open-cut (Surface) Mine.
- Gathered, organized and modeled data for reports and presentations.

Geospatial analyst: LuxCarta, shores of the lake – Tunis, Tunisia
21/09/2016 to 31/10/2016

- Creating Ortho-photo-plan.
- Digitization building from spatial data (satellite image: Spot 5)
- Spatial classification using QGIS
- Defining building elevation using private software and QGIS

E D U C A T I O N

- ✓ Master degree of sciences and technologies in Topographic / University of Ammar Thliji, Lahgouat, Algeria (2018)
- ✓ Bachelor of Information technology in Geomatics / University of Tunis El Manar, Tunis, Tunisia (2016)

L A N G U A G E S

French: Bilingual   English: Average   Arabic: Native

C O M P U T E R   S K I L L S

GIS and mapping: ArcGIS Desktop | ArcGIS Pro | QGIS | Globalmaper | AutoCAD Map and Covadis | BricsCAD

GNSS processing: GNSS Solution | Trimble Business Center

Photogrammetry processing: Agisoft Metashape | 3D Reshaper

Database management system: MySQL | PostgreSQL | PostGIS

Cartographic server: GeoServer

C E R T I F I C A T I O N S

Training in aeronautics and flight electronics applied to quad-copters, From ENIT (National Engineers School of Tunis), *16 and 17 February 2018*

Training session in GIS & Webmapping by Graphtech Esri Tunisie, Training to ArcGIS Pro *06 to 10 December 2022.*

Training session with project Erasmus+ GEOMAG in web-mapping, concepts and implementation, From INAT (National Agronomic Institute of Tunisia), *23 to 25 February 2022.*