

HIBA DOI

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SUMMARY

Senior surveying and Geomatics engineering student with internship experience in surveying, mapping, GIS, and field-work. Project experience includes applications of geographical information systems, geospatial production techniques, and Geospatial Database. Seeking a full-time position as a GIS professional starting November 2024.

EDUCATION

Geomatics Science and Topographic Engineering

Graduating septembre 2024

Agronomic and Veterinary Institute Hassan II, Rabat, MA

Relevant coursework: Geodesy, Topography, Photogrammetry, GIS, Cartography, Geospatial Database, Least squares Compensation

TECHNICAL SKILLS

Geographical information systems: ARCGIS, ARCGIS PRO, Qgis

Mapping/Carthography: Autocad, Microstation, Trimble Business Centre (TBC)

Photogrammetry: ERDAS IMAGINE, LPS

Programming: Python, Javascript, Matlab, Visuelle Studio Code (VSC)

Database: MySQL, PostgreSQL, Postgis, MongoDB

Certifications: Geographic Information Systems (GIS) Specialization offered by UCDAVIS university in Coursera, Elements of Geomatics offered by EPFL in Coursera, MOOC Cartography Esri training

EXPERIENCE

IAV, SIDI ALLAL BAHRAOUI: intern

May 2023

- The densification of the planimetric and altimetric geodetic network through GNSS technology, precise leveling techniques and observation processing (TBC, ARCGIS, Python)
- The creation of a topographic plan through topographic survey operations in the Ait Malek zone (Autocad, Excel)
- The realisation of Photogrammetric work involving stereo preparation, image orientation, Digital Terrain Model (DTM) editing, and creation of orthophotoplans (Erdas Imagine, LPS, Microstation)

ANCFCC, Mohammedia, ma: Intern

July 2022

- Assistance in topographic field operations: Boundary surveying, registration boundary, or supervision of private land surveyors' work, report writing

Atlas Survey, Mohammedia, ma: Intern

August 2022

- Contribution to surveying work in the field and processing work indoors.
- Establishing a railway plan of ONCF using GNSS technology.

ACADEMIC PROJECTS

Digital Twin of Topography Department

2023

Co-Led team of ten to integrate IOT sensor in a 3D BIM model creating by scan to BIM technology in order to establish real time responsiveness using the link between database to 3D model (Revit, Dynamo, Arduino, MongoDB, Nodejs)

IAV Campus Geoportal

2022

Team member of twelve to create a 2.5D environment of our University campus (QGIS).

Geodesic website

2022

Led team of seven to Develop a website using Python and Django to display the Geodesic on the ellipsoid using geographical or projected coordinates (python, django, HTML, CSS, Javascript).

ACTIVITIES

Moroccan Association of Topography Student (AMETOP)

Aug 2017 – Present

Multiple roles, including vice-president of GEOCODE CLUB (200 members)

- Social caravan for 50 primary students in the rural area of Agalmam Azegza in Morocco.