



Mohamed
BOURRIZ

About Me

As a 3rd year engineering student in the Agronomic and Veterinary Medicine Institute Hassan II, I have acquired different assets of geomatics sciences and surveying engineering, I'm having also an interest in the field of computer development, geospatial technologies and with a great sense of criticism and analysis, I'm open to all opportunities.



CONTACT

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EXPERIENCES

Company internship

SAISS TOPO | March 2023- Ongoing

- Understanding the structure and organization of the company and participation in the various topographic tasks performed by the office and field staff.

Freelancer

Upwork | August 2022- Ongoing

- Consultant in GIS, Web mapping and remote sensing.

Participation in the AgriChallenge Hackathon

UM6P & IAV Hassan II | February 2023

- 2nd place winner, The idea is to create a start-up that uses digital twin technology in greenhouses to provide real-time information about their conditions and monitor them more effectively and efficiently.

Land registry agency internship

ANCFCC | September 2022

- Understanding the structure and organization of the agency and participation in the various tasks performed by the office and field staff.

Professionalization internship

IAV Hassan II

Sidi Yahya Zaër, Rabat-Salé-Kénitra, Morocco | May 2022

- Professionnalization and enhancement of skills in geodesy, topography, photogrammetry and cartography.

Summer Internship

WAHDA Topo SARL

Taounate, Fès-Meknès, Morocco | July 2021

- Exploring the practical aspect of the profession related to data acquisition using GPS and total station.

Summer Camp

IAV Hassan II

Ain Leuh, Fès-Meknès, Morocco | juin 2019

- A week of hiking in group of 12 people following an itinerary established by the supervisors using GPS and topographic maps to discover the fauna, flora, geological structure and the local population of the region.



PROJECTS

Land Cover Mapping and Analysis in the Province of Berkane in Morocco: A Remote Sensing & GIS Perspective

IAV Hassan II | January 2023

- Comparison and evaluation of different classification approaches and methods to generate land use maps of the region to detect changes between 2000 and 2022.



Hard Skills

- ✓ Erdas Imagine/ENVI
- ✓ Pix4dMapper/Agisoft
- ✓ ArcGIS/QGIS
- ✓ PostgreSQL/PostGIS
- ✓ Python/JavaScript
- ✓ Autocad/Covadis
- ✓ Trimble Business Center
- ✓ Google Earth Engine

Languages

- ✓ Arabic: Native language.
- ✓ French: Advanced level.
- ✓ English: Advanced level.

Certifications

- ✓ Mathematics for Machine Learning and Data Science Specialization
DeepLearning.AI | Ongoing
- ✓ Machine Learning Specialization
DeepLearning.AI | Ongoing
- ✓ Python Data Structures
University of Michigan | April 2023
- ✓ Introduction to Hyperspectral Remote Sensing
Eo college & GFZ Potsdam | April 2023
- ✓ Spatial Data Science: The New Frontier in Analytics
ESRI | November 2022
- ✓ Programming for Everybody
University of Michigan | September 2022
- ✓ Elements of Geomatics
EPFL | September 2022

Board Memberships

- ✓ IEEE Geoscience and Remote Sensing Society (GRSS)
January 2023- Ongoing
- ✓ Moroccan association of Surveyors Students (AMETOP)
September 2019- Ongoing

Hobbies

- ✓ Hiking.
- ✓ Research and development.
- ✓ Reading.

Driving licence

B

Geoportal of the Moroccan national parks

IAV Hassan II | November 2022

- Development of a geoportal from scratch that allows users to visualize the different national parks in addition to a 3D visualization of Mount Toubkal.

Mapathon

14th Geomundus conference | October 2022

- Mapping and visualization of rivers in the Iberian Peninsula using remote sensing and GIS.

Predicting Salaries with Decision Tree

Coursera project network | August 2022

- Creation of a machine learning model using Python and sklearn for salary predictions.

Modeling and spatial GIS analysis

IAV Hassan II | July 2022

- Modeling water erosion using the model USLE on ArcGis.

Thematic applications of remote sensing

IAV Hassan II | March 2022

- Practical study of the different techniques of image segmentation using Ecognition.

Conception and construction of a UAV

Moroccan Association of Surveyors Students | October 2021

- Construction of two drones (a fixed wing and a quadcopter) from scratch including the conception and the Programming.



EDUCATION

Engineering degree, geomatics sciences and surveying engineering

Rabat, Morocco | 2019 – ongoing

Agronomic and veterinary medicine institute Hassan II

Preparatory year for higher studies in agronomy

Rabat, Morocco | 2018 - 2019

Agronomic and veterinary medicine institute Hassan II

Mathematical sciences A -French option-

Taounate, Morocco | 2016 – 2018

High school qualifying EL WAHDA

✓ Elements of Geomatics
EPFL | September 2022

✓ Geographic Information System
EPFL | October 2021

✓ GIS with QGIS
Osiris Space Technology corporation
| June 2021

✓ Remote sensing and image processing
University of Gustave Eiffel | June 2021