

BASHAR AL-ASSOULI

REMOTE SENSING SPECIALIST | CIVIL ENGINEER

Nationality: Jordanian Date of Birth: 22-Sep-1993

PROFILE

Self-taught Remote Sensing expert with 15+ years of hands-on experience in satellite image analysis for mineral exploration, archaeology, and hydrocarbon detection. Graduated in Civil Engineering (2020) with 2 years of construction experience. Proficient in ENVI, ArcGIS, QGIS, SNAP, and PCI Geomatica. Seeking remote opportunities in satellite-based prospecting.

WORK EXPERIENCE

Satellite Image Analyst

Esri Corporation | Jan 2018 – 2022

- Analyzed satellite imagery for geospatial and environmental projects
- Created custom maps using ArcGIS Pro and ENVI

Satellite Data Analyst (Volunteer)

U.S. Geological Survey | Feb 2016 – Sep 2024

- Processed optical and SAR data for earth observation
- Developed topographic and thematic maps

Field Training Engineer

Directorate of Public Works, Irbid | Jul 2017 – Nov 2017

- Managed on-site construction and surveying

KEY PROJECTS

Minerals Exploration using multispectral satellite

- Extracted fault lines using PCI Geomatica
- Detected iron oxides & hydroxyls via PCA & Band Ratio
- Generated prospecting maps for Saudi Arabia, Sudan, Algeria, Mauritania
- Gold Exploration

Topographic Mapping

- Created high-accuracy maps using GPS and satellite imagery

CONTACT

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Jordan - Amman

linkedin bashar-alasouli

github - basharalasouli

EDUCATION

2012 -2020

YARMOUK UNIVERSITY

- Bachelor of Civil Engineering

REMOTE SENSING SKILLS

- ENVI, ArcGIS, QGIS, SNAP, GAMMA, ASF
- Optical & SAR satellite data analysis
- Land surveying with high-accuracy GPS
- Topographic & aerial image mapping
- High-resolution imagery analysis for detecting anomalous structures to identify ancient archaeological sites
- Hydrocarbon microseepage analysis for oil and gas exploration
- Expertise in satellite systems: ASTER, Landsat 7/8/9, Sentinel-1/2, WorldView-3, ALOS PALSAR, SIR-C

CIVIL ENGINEER SKILLS

- Project coordination
- Structural analysis & dynamics
- Blueprint drafting & interpretation
- Decision-making

PORTFOLIO

[GitHub: github.com/basharalasouli1993-blip/B.M.A](https://github.com/basharalasouli1993-blip/B.M.A)
(Contains reports, maps, and analysis files)

LANGUAGES

Arabic (Native) | English (Fluent)

AVAILABLE FOR REMOTE WORK

CIVIL ENGINEER SKILLS

- Remote Sensing specialist By Brilliant Remote Sensing labs 2020
- ArcGIS Maps for Office Basics By Esri 2020
- ArcGIS Online Basics By Esri 2020
- ArcGIS Pro Basics By Esri 2020
- Getting Started with ArcGIS Pro By Esri 2020
- Getting Started with GIS By Esri
- GIS Basics By Esri 2020
- Python for Everyone By Esri 2020
- Introduction to Remote sensing By GEO University 2020
- An Introduction to coding basics by Google 2019
- Remote sensing science by Prof GOMAA DAWOOD 2020
- Topographic Surveying by Prof GOMAA DAWOOD 2016
- GPS application 2019
- Surveying Instruments