

# Academic Curriculum Vitae



## Personal Information:

Full Name: Bakhtyar Ahmed Mala  
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## Education:

- At this moment, Ph.D. student, and during the course, I studied subjects (advanced GIS, Advanced Digital Photogrammetry, Advanced Remote Sensing, Advanced Optimization, and Advanced Geodesy). My dissertation on the effect of materials on laser scanning point cloud accuracy.
- M.Sc. in Surveying Engineering Department on (Laser Scanning and Photogrammetry) at Salahaddin University-Erbil at the end of 2016. I studied subjects such (as Advanced Surveying, Advanced Photogrammetry, Advanced Geodesy, Digital Image Processing, GIS, and Advanced Statistics).
- B.Sc. in Surveying Engineering at Salahaddin University-Erbil in 2013. Also, I got a top grade (first grade) in our department. I studied subjects (Map Projections, Surveying-I, Surveying-II, Cadastral Surveying, Basic Surveying Instruments, Photogrammetry, Construction Surveying, Highway engineering, Global Geodesy, GIS, GPS, Remote Sensing, Hydrographic Surveying, and some other different subjects related to the engineering).

## Employment:

- I employed in salahaddin University College of engineering Geomatics (Surveying) department in 24/9/2013 as a lecturer assistant.

## Qualifications

- **Teaching qualifications**
  - I can teach most of the Geomatics (Surveying) subjects such as: Fundamental of Surveying, Plane surveying, Engineering Surveying, Surveying network, Construction Surveying, Quantity Surveying, Cadastral Surveying, Hydrographic Surveying, Map Projection,

Global Geodesy, Theory of errors, Adjustment surveying, GIS, Photogrammetry, Remote Sensing, GPS, Auto CAD, Civil 3D. During a decade I taught most of these subjects.

- **IT qualifications**

- Using Surveying instruments such as (Level, Theodolite, Total Station all types, GPS, and Laser Scanner, UAV (Drone)) and
- Software (AutoCAD, Civil 3D land development, Civil 3D, Photo-Modeler scanner, Cyclone Software, GIS, Faro scene, Microsoft word, excel, and PowerPoint).

- **Language qualifications**

- I got score 5 in IELTS and then, I got an intermediate course in language center of Salahaddin University.

- **Any professional qualification**

- As a consultant engineer in the Geospatial Engineering company since 2020 till now.
- As an inspector engineer in CEC (Erbil Citadel Company) for tank calibration in the field of oil and gas (calibration of some horizontal and vertical tanks) for KPC, KURDNAFT, and FOX companies.
- As a calibration engineer at SGS company for a job. (Calibration vertical tank).
- As a supervisor engineer for surveying purposes and checking the estimation and cost for KAR company.
- Design and supervise two mosques in Qaladeza in the years 2019 to 2023.
- Survey many private properties and divide the area between the owners.
- Design many of the houses and guide the owner to follow the procedure.
- As a surveyor on a road between qaladeza and Esewa that is 18km long.

- **You could put any professional courses you have attended**

I take and teach some of the training courses

- I teach some of the courses for total station instruments.
- I teach a course for GIS software in Geospatial Company
- I teach a training course for UAVs (Unmanned aerial vehicles) and photogrammetry for TIU (Tishk International University).
- I took two courses in the field of safety (confined space and hydrogen sulfide).

## Teaching experience:

- In 2022-2023 as a lecturer for the same subjects at TIU and Salahaddin university such as (Fundamental of surveying, Plane Surveying, Engineering Surveying, Civil 3D photogrammetry, Geometrical geodesy, and Adjustment surveying). As a Ph.D. student at the Salahaddin University College of engineering, I am part-time practical teaching in the TIU / Civil Department.
- In 2021-2022 as a lecturer for the same subjects at TIU and Salahaddin university such as (surveying, photogrammetry, Geometrical geodesy, and Adjustment surveying). As a

Ph.D. student at the Salahaddin University College of engineering, I am part-time practical teaching in the TIU / Civil Department.

- In 2020-2021 as a lecturer for the same subjects at TIU and Salahaddin university. As a Ph.D. student at the Salahaddin University College of engineering, I am part-time practical teaching in the TIU / Civil Department in the second course.
- In 2019-2020 as a lecturer in surveying (Geomatics) Dept. for the subjects [fundamental of Surveying, Plane surveying, and Data processing (AutoCAD and Autoland civil 3D) and Global Geodesy]. I am besides lectured on Photogrammetry Subject at Tishk International University.
- In 2018-2019 as a lecturer in the surveying (Geomatics) engineering department, I am delivering lectures on three different subjects [fundamental of Surveying and Data processing (AutoCAD and Autoland civil 3D) and Global Geodesy]. At the same time, in a private university, I deliver lectures on surveying1 and computer mapping.
- During a year, I participated in all of the academic seminars in the science organization
- In 2017-2018 as a lecturer in the surveying engineering department, I lectured for three different subjects [Surveying1 and Data processing (AutoCAD and Autoland civil 3D) and Global Geodesy].
- In 2016-2017 as a lecturer in the surveying engineering department, I lectured on two different subjects [Surveying and Data processing (AutoCAD and Autoland civil 3D)].
- During two summers, I work with the company in different fields like road and building.
- In 2014 as a teaching assistant at some labs and some practical lectures such as (computer lab, Photogrammetric lab, practical surveying, and practical basic survey instruments).

## Research and publications

- I published a research in my field under the name of (Integration of TLS and digital closed range photogrammetry for heritage documentation). 2018-2019

## Conferences and courses attended

- In participate as a member of organization in a symposium on internship for the graduation students in 2022-2023.
- I participate in a valuable number of scientific workshops, especially in the field of surveying.
- I participate in a conference with one paper on laser scanning instruments and participate in some other conferences as an audience especially these conferences related to my field.

## Funding and academic awards

- I did not get any funding and academic awards. I got only some appreciation for some humanity projects.

## Professional memberships

- ✓ As a consultant engineer in the Geospatial Engineering company since 2020 till now.
- ✓ As a member in the academic staff lecturer in the college.
- ✓ As a membership in the consultant engineering.

## Professional Social Network Accounts:

- I have most of the social networks accounts that arranged below:

Google Scholar (<https://scholar.google.com/citations?hl=en&user=MnZ8w1IAAAAJ>)

Research gate (<https://www.researchgate.net/profile/Bakhtyar-Mala-2>)

Linkedin (<https://www.linkedin.com/in/bakhtyar-ahmed-5a492295/>)

Moodle (<http://moodle.su.edu.krd/engineering/course/view.php?id=122>)

Google Drive

(<https://drive.google.com/drive/folders/1UWaFpxfai3Oedv5kaoz4gF5Z8OIJshwZ>)