

Curriculum Vitae

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Personal Profile

I am a highly qualified and accomplished professional with a Master's degree in Geological Engineering and a Bachelor's degree in Geophysical Engineering. With a solid academic background and expertise in project management, I have successfully led and coordinated complex projects in the field of tunnelling, pipejacking and water pipeline installation. I have a proven track record of delivering results, managing teams, and troubleshooting hydraulic and mechanical issues. In addition, I have conducted research projects, including assessing satellite images for evapotranspiration and creating digital elevation models using unmanned air vehicles. With proficiency in various software and programming languages, I am adept at handling computational tasks. Outside of work, I enjoy DIY projects in electronics and programming, swimming, and indulging in science and science-fiction literature.

Key Skills

- Project coordination and management
- Scope definition and objective determination
- Budget preparation and management
- Field operations in tunnelling and water pipeline installation
- Micro tunnelling project management
- Proficiency in MTS 2000 slurry system micro tunnelling machine
- Staff management and project operation
- Procurement processes
- Troubleshooting hydraulic and mechanical issues
- Monitoring and maintenance of separation system, lubrication system, and machines
- Land surveying and seismic research
- Geophysical assessments for foundation design
- Mapping and volumetric calculations
- Optimization of pipeline crossings
- Importing, refining, and coordinating in the oil industry
- Assessing satellite images using the SEBAL algorithm
- Unmanned Air Vehicle (UAV) field operations for digital elevation model creation

Education

2022-Present MSc., Masters in Geological Engineering, Faculty of Engineering

Mugla Sıtkı Kocman University/Turkey

Highest of the graduating year. (CGPA: 4.00/4.00)

2012-2018 B.Sc., Bachelor Degree in Geophysical Engineering, Faculty of Engineering

Ankara University/Turkey

(CGPA: 2.68/4)

2009-2013 B.A., Bachelor Degree in Business Administration,

Anadolu University/Turkey

Professional Experience

Dates: July 2020 - July 2022

Employer: Arıkan İnşaat A.Ş.

Title: Project Manager (Full time paid work)

- Worked as a Project Coordinator
- Determine and define project scope and objectives
- Prepare budgets based on the scope of work
- Responsible for all field operations on tunnelling and water pipeline instalment field operations

Dates: July 2018 - July 2020

Employer: Kural Yapı A.Ş.

Title: Project Engineer (Full time paid work)

- Worked as a chief engineer on microtunnelling project in Adana, Turkey, consisted of 1800 mm diameter with pipe and 4500 m of length with pipejacking.
- Worked at every phase of micro tunnelling operation (set up shafts, machine operating, separation, station checks, slurry and lubrication etc.)
- Operating MTS 2000 slurry system micro tunnelling machine
- Mobilizing and demobilising job sites
- Managing staff and project operations.
- Operating procurement processes.
- Troubleshoot failures on hydraulic and mechanical issues
- Monitoring and maintenance of the separation system, lubrication system and machine

Dates: July 2009 - July 2018

Employer: Mercan Grup Müh LTD ŞTi

Title: Director (Full time paid work)

- Worked as an engineer in tunnels of Yusufeli dam construction site, the tallest dam in Turkey. Land surveying and analyzing in research tunnels and seismic research with detonation (February – March 2018)
- Worked in geophysical assessments for foundation design, mapping overburden and soil thicknesses for site grading and volumetric calculations of expected construction fill and spoil, characterizing geology beneath waterways for optimizing pipeline crossings (January 2017- March 2018)
- Importing petrol from Iraq to refinery plants in Turkey, refining crude oil, maintaining and coordinating and troubleshooting in the plants and tanks, monitoring processes and documentation for legal issues before exporting back. (June 2009-March 2012)

Languages

- English (Advanced)
- Turkish (Native)

Research Projects Responsibilities

- 1- Project Title: “Study of calculating water consumption for agricultural irrigation purposes from all water sources used in the Kingdom (Measurement 2) (Budget: 532,000 \$+ 600,000 \$ of field equipment) (2023-2024)” Funded by King Fahad Petrol and Mineral University, KFUPM, KSA; Responsibility: Assess the satellite images for Evapotranspiration using SEBAL algorithm.
- 2- TÜBİTAK - 1001 project 112Y137 (2012-2014) Project Title: “Spatial distribution of hydrochemical and thermal resources of Fethiye Göçek Bay and Köyceğiz, Alagöl, Sülüngür and Kocagöl Lakes” (Budget: 90000 \$) Funded by The Scientific and Technological Research Council of Turkey, Responsibility: Unmanned Air Vehicle (UAV) Field at Aegean Cost to create a digital elevation model.

Certificate

International Business and trade Specialist Certificate, Turkish Foreign Trade Foundation 2010

IT Skills

OS : Windows, Linux, UNIX
Software : ARCGIS 10.8/Pro/server, Rockwork, Surfer, Global Mapper, Google Earth Engine, Autodesk Inventor Mechanical Modeling and Drawing, Numerological Data Modeling, IP2000 Resistivity Geophysical Analyzing Program, Do Re Mi Seismic Analyzing and Programming, Solidworks, Autodesk Autocad, 3D Max MS Office
Languages : Matlab2023a, Python

Interests

DIY: Projects in electronics and programming.
Sports: Swimming, member of Ankara University Sports Club.
Reading: Science and science-fiction,