

Ahmet Furkan Kayhan

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About Me

I am a civil engineer with experience both in the field and in the technical office, eager to gain more knowledge about the details of my profession. I have had the opportunity to work with people from different parts of the world on various projects, and I have always been fascinated by the vast applications of civil engineering. With my strong academic background and ability to adapt to dynamic work conditions, I aim to enhance my expertise by collaborating with industry professionals.

Education

Middle East Technical University (METU), MSc in Civil Engineering, Geotechnical
September 2024 – Present

Relevant Course: Geotechnical Earthquake Engineering

Middle East Technical University (METU), BSc in Civil Engineering, GPA: 2.88
September 2017 – July 2023

Relevant Courses: Soil Improvement, Earthquake Engineering, Building Information Modelling (BIM)

Projects

- CE481 Reinforced Concrete Structures Project
 - Developed a MATLAB project demonstrating the moment-curvature relationship of shear walls using the Finite Element Method (FEM), focusing on earthquake engineering according to the Turkish Seismic Code (TBDY 2018) and Eurocode 8.
- CE410 Graduation Project
 - Designed a drinking water pipeline system for a water-scarce province in Cyprus using CAD-based design and integrated BIM applications into the planning phase.

Work Experience

- TANAP, Head Office, Ankara
 - June 2024 – Present
 - Geotechnical Engineer
- Stadia Engineering, Technical Office, Ankara
 - April – June 2024
 - Structural Engineer
- TEİAŞ-ODTÜ Project, Ankara
 - September 2023 – February 2024
 - Civil Engineer | Data Analyst

- Soysal Engineering, Technical Office, Ankara
December 2022 – April 2023
Long-Term Trainee Engineer
- Kızılırmak Right and Left Shore Wastewater Collector Project, Eptisa, Sivas
August – September 2022
Civil Engineering Intern
- Silvan Dam, İlci Holding, Diyarbakır
July – August 2021
Civil Engineering Intern

Software Experience

- Trading Tree
 - Full-Stack Developer
 - Developed a manual trading bot with three close friends, focusing on backend development while also handling frontend and DevOps tasks.

Technical Skills

- Engineering Software: AutoCAD, Civil 3D, NETCAD, ArcMap, SAP2000, ETABS
- Project Management & BIM: MS Project, Revit, Navisworks, Allplan
- Data Processing & Programming: MS Excel (including VBA macros), Python, MySQL, HTML/CSS/JavaScript

Skills

- Strong academic background in Structural and Geotechnical Engineering
- Proficiency in project risk assessment
- Experience in site investigation and off-road driving
- Excellent written and verbal communication skills in both English and Turkish
- Effective teamwork and communication abilities
- Strong analytical and problem-solving skills
- ISO-9001 and ISO-45001 certification

Languages

- Turkish (Native)
- English (C2 – Proficient)
- Russian (A2 – Basic)