

Ceren Keleş

Ankara, Turkey | [Linkedin](#) | [ORCID](#) | [Google Scholar](#) | keles.crn@gmail.com

PROFESSIONAL EXPERIENCE

DOLSAR Engineering Inc. Co.

Civil & Environmental Planning Engineer

Ankara, Turkey

April 2025-ongoing

- Preparation of Master Plan Report for the Water and Soil Resources of the Turkish Republic of Northern Cyprus
 - Contributed to the Master Plan Report by evaluating seawater desalination as a long-term drinking water supply solution.
 - Conducted technical and economic analyses of desalination technologies, evaluating plant capacity, intake type, energy supply and consumption, water quality, land requirements, recovery rates, investment, O&M costs, environmental impacts, and solar power plant integration.
 - Participated in site selection and conceptual design for eight proposed desalination plants and their integration into existing and planned potable water systems.
 - Assisted in the design and analysis of transmission pipeline systems, including routing, storage tank locations and capacities, and pumping station placement and sizing for seamless network integration.
 - Prepared detailed quantity take-offs for six alternative drinking water supply scenarios, including desalination and transmission systems, to support the planning and development of 10-year investment programs.

The Scientific and Technological Research Council of Türkiye

Intern Researcher

Ankara, Turkey

February 2025-July 2025

- Participated in the project “Modeling Impacts of Climate Change on Historical and Future Water Resources by Coupling Physical Models, Novel Artificial Intelligence Techniques, and Big Data in Euphrates-Tigris River Basin” under the programme “2247 - C STAR-Intern Researcher Scholarship Programme”.

Middle East Technical University

Undergraduate Researcher (in Civil Engineering Department)

Ankara, Turkey

January 2025-June 2025

- Conducted research on hydrological characteristic changes due to climate change.
- Performed hydrological modeling.

Middle East Technical University

Undergraduate Researcher (in Environmental Engineering Department)

Ankara, Turkey

April 2024-June 2025

- Conducted research on the Water-Energy-Food-Ecosystem (WEFE) Nexus.
- Participated in the project “A New Approach for Sustainable Water Management: Integration of the Circular Economy Approach to the Framework of Water-Energy-Food-Ecosystem Nexus” funded by The Scientific and Technological Research Council of Türkiye and performed analysis on past hydrological data, future scenarios, and predictions about the environmental flows.

GEM Sustainability Services and Consultancy Inc.

EHS (Environment, Health & Safety) Intern

Ankara, Turkey

August 2024-September 2024

- Performed Climate Change Risk Assessment (CCRA) in compliance with Equator Principles for a mining project.
- Performed Environmental and Social Impact Assessment (ESIA) for a mining project.

Ankara Water and Sewerage Administration (ASKI)**Ankara, Turkey***Environmental Engineering Intern**August 2023-September 2023*

- Performed laboratory work regarding wastewater treatment for the main wastewater treatment facility in Ankara, Turkey.
- Attended site visits with supervisors to observe the treatment unit processes in the field.

Tepe İnşaat Sanayi A.Ş.**Ankara, Turkey***Civil Engineering Intern**July 2023-August 2023*

- Participated in the Estimation & Tendering department and performed quantity take-off for a residential project.
- Participated in the Budget & Planning department and prepared the construction schedule and the financing plan for a residential project.

ENKA İnşaat ve Sanayi A.Ş. - Bechtel-Enka Joint Venture**Serbia***Civil Engineering Intern**September 2022*

- Participated in the Environment, Health & Safety (EHS), Earthworks, Structures, Drainage, Quarry & Plants (QP), and Quality Control (QC) departments included in the Morava Corridor Motorway Project.
- Performed site visits to observe field works with supervisors.

EDUCATION

Middle East Technical University**Ankara, Turkey***MSc. Civil Engineering, Hydraulics Engineering Division**September 2025-June 2027**GPA: 3.67/4.00***Middle East Technical University****Ankara, Turkey***BSc. Environmental Engineering, Double Major**March 2022-June 2025**GPA: 2.81/4.00***Middle East Technical University****Ankara, Turkey***BSc. Civil Engineering, Major**September 2019-June 2025**GPA: 2.98/4.00***Evrensel Private Science High School****Ankara, Turkey***Mathematics & Science Track**September 2015-June 2019**GPA: 95.46/100.00***Yasemin Karakaya Bilim ve Sanat Merkezi (BİLSEM)****Ankara, Turkey***Gifted and Talented Education Program**September 2011-June 2015***Mamak Bilim ve Sanat Merkezi (BİLSEM)****Ankara, Turkey***Gifted and Talented Education Program**September 2009-June 2011***TECHNICAL SKILLS**

Allplan

MATLAB

QGIS

ArcGIS

MODFLOW

SewerGEMS

AutoCAD

MS Office

SWAT+

Autodesk Revit

MS Project

SYNCHRO 4D

EPANET

Navisworks Manage

WaterGEMS

HEC-RAS

openLCA

LINDO

Oracle Primavera

TEST SCORES & CERTIFICATES

NASA Applied Remote Sensing Training (ARSET) Program, Fundamentals of Remote Sensing by NASA (September 2025)

METU English Proficiency Exam (EPE) Score: 97.5 (May 2025)

ALES (Academic Personnel and Postgraduate Education Entrance Exam) - Quantitative Score: 91.23 (April 2025)

Foreign Language Test (YDS) Score: 91.25 (March 2025)

Safe Scaffolding Professional Development Seminar by OHSMS (Improving Occupational Health and Safety Grand Program) (December 2021)

EXTRACURRICULAR ACTIVITIES

Hilti Turkey

İstanbul, Turkey

Mentee

June 2023-December 2023

- Attended bi-weekly meetings with a mentor from Hilti Turkey.
- Participated in a site visit regarding sales operations with a supervisor.

TurkishWIN - Million Women Mentors

Ankara, Turkey

Mentee

May 2023-October 2023

- Attended bi-weekly meetings with a mentor in the energy industry focusing on topics such as renewable energy and sustainability.

EnerjiSA Üretim

İstanbul, Turkey

Womentum Trainee

April 2023-May 2023

- Attended weekly meetings with other trainees in the program focusing on topics such as renewable energy, sustainability, networking, resiliency, critical thinking, and diversity & inclusion.

IACES (International Association of Civil Engineering Students) METU LC

International

Coordinator, Event Organizer

2019-2022

- Coordinated the works of a magazine called KariyerCE and published monthly issues with articles related to the civil engineering industry.
- Organized events (CESummit, BIG) to gather engineering students and companies to provide internship/job opportunities.