



ÇAĞATAY ÇAKAN

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ABOUT

I am a graduate student working in data analysis. Until now, I have had the opportunity to work with different data sets in various projects, such as data analysis, modeling, optimization, and risk analysis. At the same time, I carried out the reporting and visualization processes of these projects. I aim to continue my career in this field. I will add value to the team I will be a part of with my work on this subject.

SKILLS

- R
- Python
- MATLAB
- SQL
- QGIS
- Microsoft Office Programs

LANGUAGE SKILLS

- English - Advanced
- French - Beginner
- Turkish - Native

MEMBERSHIPS

METU Go Club

- Chairman of the Board
- Board Membership
- Organizing tournament with 210 participant (6 international) with team of 10 people

METU Turkish Folklore Club

- Promotion Subunit
- Carrying out the sponsorship negotiations with a team of 5 people

CERTIFICATION

- Coursera Online Course: Python Data Structure
- Coursera Online Course: Wind Energy
- Denizüstü Rüzgar Enerjisi Derneği: Offshore Wind Energy Training
- 14th International Congress on Advances in Civil Engineering
- Short Training Course on Disaster Risk Management / Natural Hazards for Cultural Heritage

WORK EXPERIENCE

PROJECT ASSISTANT

Middle East Technical University (September 2022 -)

- Managing the project team (TUBITAK project)
- Preparing and analyzing remote sensing and hydrometeorological data
- Analyzing the terrestrial water and carbon storage in Turkey
- Investigation of the relationship between TWS and precipitation

DATA ANALYST

Eriktronik Mühendislik Danışmanlık (September 2022 - February 2023)

- Developing a crop yield estimation model
- Preparing and analyzing the field and meteorological data to build the best model for the next harvest period
- Visualization and reporting

INTERN

Yüksel Proje (August 2021 - September 2021)

- I completed my internship in the Geotechnical Services unit.

INTERN

Nesam İnşaat (August 2021 - September 2021)

- I did my summer internship at the site of the Suit Çayyolu Project.

EDUCATION

MIDDLE EAST TECHNICAL UNIVERSITY (2022 - 2024)

Master Degree - Expected Graduation 2024

Water Resources - Civil Engineering - 4.00/4.00

- Fire Risk Analysis - using R and QGIS
- Obtaining the data considering possible risk criteria
- Merging the criteria and obtaining the fire risk map
- Hydrological Model Optimization and Analysis - using R
- Optimization of the recently created hydrological model
- Using 24 optimization algorithms (including Monte Carlo)

MIDDLE EAST TECHNICAL UNIVERSITY (2016 - 2022)

Bachelor Degree

Civil Engineering - 3.02/4.00

- Conference Paper: Yerlikaya, N.C., Çakan, Ç., Başara, I. and Huvaj, N. (2021) Floating Hybrid Wind and Solar Energy Systems in Turkey
- Single Pile Capacity Calculation Program - MATLAB GUI
- Structural Analysis Program - Excel VBA