

Efecan Özban

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About Me: Passionate prospective academican aiming to complete the master’s degree within one year in total. Interested in structural analysis, data analysis, numerical methods, and modeling. Experienced in a wide range of computer applications both related to civil and computer engineering. Competed as a member of the Turkish National Team in Contract-Bridge, participating in several international tournaments.

Education

MIDDLE EAST TECHNICAL UNIVERSITY Ankara/Turkey
Master of Science, Civil Engineering – Structural Engineering. GPA (currently) [3.60 /4.00] 09/2024 - 09/2025
Thesis Title: A Data Driven Approach for Automated Seismic Strengthening.
Relevant Coursework: Finite Element Method, Structural Reliability, Structural Dynamics, Structural Stability, Reinforced Concrete Structures, Earthquake Engineering.

MIDDLE EAST TECHNICAL UNIVERSITY Ankara/Turkey
Bachelor of Science, Civil Engineering. GPA [3.02/4.00], Honor Student 09/2017 - 06/2022
Relevant Coursework: Introduction to Finite Element Method, Design of Steel Structures, Statistical Techniques in Hydrology, Computer Applications in Foundation Engineering, BIM and Its Applications in Construction.

Projects

TUBITAK 121R065 PROJECT (SPACETIME) 01/2022 - 06/2022
Spatial Data Analyst

- Analyzed large-scale evaporation data to measure the correlation between evaporation and O₂ levels.
- Gained experience in interdisciplinary research and collaborative problem-solving.
- Contributed to an international research collaboration.

SPATIAL DATA DRIVEN FIRE MAPPING OVER TURKEY 09/2021 - 01/2022
Spatial Data Analyst

- Analyzed spatial data provided by NASA from Terra Satellite to construct a fire mapping over Turkey.
- Gained experience in satellite imagery analysis, and data visualization.

Experience

MILAPASA TECHNOLOGY - TURKEY Ankara/Turkey
Software Engineer 10/2023 - 02/2024

- Developed server-side applications, ensuring high performance and scalability for large datasets.
- Utilized programming languages such as Python and C# to implement and optimize backend processes.

PINQ GAMES - TURKEY Ankara/Turkey
Game Developer 03/2023 - 08/2023

- Modeled dynamic systems and simulated nonrigid body behavior using Unity.
- Tried to simulate impact scenarios using FEM approach on game engines.

CREATIVE INTELLIGENCE PLATFORM (CIP) SOFTWARE - TURKEY Ankara /Turkey
Software Engineer 07/2022 - 02/2023

- Had an understanding of server maintenance, database, and backend applications.

AKZIRVE REAL ESTATE AND INVESMENT - TURKEY

Istanbul/Turkey
07/2021

Civil Engineer Intern

- Assisted in on-site supervision and quality control of structural elements.
- Gained experience in material usage, scheduling, and coordination.
- Observed construction techniques and safety regulations in practice.

KİSKA-KOM CONSTRUCTION AND TRADING CO. INC. - TURKEY

Istanbul/Turkey
06/2021

Civil Engineer Intern

- Observed tunnel excavation and support installation processes.
- Gained experience in construction logistics and underground structural elements.

Activities**TURKEY BRIDGE FEDERATION**

- 28th Swedish Bridge Festival, Örebro, Sweden.
- U26 National Team Member of Turkey in 2022 FISU Championship Mind Sports, Bridge, Antwerp, Belgium.
- U21 National Team Member of Turkey in 2019 European Bridge Youth Team Championship, Oslo, Norway.
- U21 National Team Member of Turkey in 2019 European Open Bridge Championship, Istanbul, Turkey.
- 1st place in U21 2019 Turkey Bridge Youth Pair Championship Tournament.
- 1st place in U21 2018 Turkey Bridge Youth Team Championship Tournament.

METU BRIDGE CLUB

Ankara/Turkey
01/2017 – 07/2022

Board Member, Team Coordinator

- Organized and planned lectures, conducted regular practice sessions for new players, enhancing their skills and confidence to compete in club and inter-university tournaments.
- Led the coordination of club activities, including tournaments and workshops, contributing to a significant increase in membership and engagement.
- Collaborated with the board to set strategic goals for club growth and engagement, resulting in multiple achievements, including the selection of two pairs from the club to represent Turkey in national competitions.

Skills & Interests

Computer Skills: Python, MATLAB, R, C#, JavaScript, SQL, Unity and Microsoft Office.

Language: Turkish (Native), English (Advanced), Deutsch (Elementary).

Interests: Contract-Bridge, Coding, Go, Piano, Guitar.

Other: B Level Driving License