



Burak YILDIRAN

Mechanical Engineer

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WORK EXPERIENCE

Karesi Metalurji San. ve Tic. Ltd. Şti.

Apr. 2023 – May. 2023

Intern

Balıkesir, Turkey

- Cast Iron with Spheroidal Graphite, Grey Cast Iron, NI-HARD Cast Iron

PROJECTS

Truss System Design Using Ansys APDL

Jan. 2023

- In truss system design, the aim of this study is to design a truss system that meets the desired conditions.

Hybrid Composite Gear Revision

Jan. 2023

- The aim of this study is to revise the hybrid composite gear design made in June 2022.

Hybrid Composite Gear

Jun. 2022

- In hybrid composite gear design, the aim is to produce composite gears that approach the characteristic curve of the steel gear or have better characteristics.

Lift Table with Double Scissors

Dec. 2021

- In lift table with double scissors design, the aim of this study is to design a double scissor platform that meets the desired conditions.

Korkuteli Hospital Heating and Ventilation Project

Jun. 2021

- Designing a heating and ventilation project according to TS825 and TS2164 standards, using AutoCAD, Excel, and Matlab.

EDUCATION

Dokuz Eylül University

Feb. 2023

BS, Mechanical Engineering

Izmir, Turkey

SKILLS & INTERESTS & LANGUAGES

- **Skills:** Advanced; SolidWorks, MS Office, Matlab, Intermediate; AutoCAD, Ansys, Marc Beginner; Python, HTML5, C++
- **Certificates:** Ocean literacy
- **Interests:** Discovering new recipes, Learning programming, Wood processing, Cycling, Sport
- **Languages:** Native; Turkish, Intermediate; English, Beginner; German
- **Portfolio Website:** <https://burakyildiran.github.io>