



# Burak YILDIRAN

## Mechanical Engineer

Burak.YILDIRAN@outlook.com.tr ❖ +90 (505) 130-0469 ❖ Izmir, Turkey

---

### WORK EXPERIENCE

---

#### Atatürk Mesleki ve Teknik Anadolu Lisesi

Jul. 2019 – Aug. 2019

*Intern*

*Izmir, Turkey*

- Workshop training.
- Lathe & Milling & CNC, Cold forming & Welding, Modelling & Moulding – Casting, Hand leveling & Cam.

### 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, Beginner; Python, HTML5, C++
- **Interests:** Discovering new recipes, Learning programming, Wood processing, Cycling, Sport
- **Languages:** Native; Turkish, Intermediate; English, Beginner; German
- **Portfolio Website:** <https://burakyildiran.github.io>