

R. Umut Tülüoğlu

Mechanical Engineering Student

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Sultan Selim Mah.
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Education

Bogazici University

BEng in Mechanical
Engineering (2021- 2027 est.)
4th Grade

Language

English	Fluent
Turkish	Native
French	Beginner

Software Skills

CAD & PDM

Fusion 360
Solidworks
Siemens NX
Teamcenter
AutoCAD

Data, Simulation

MATLAB
Python
Excel

Others

SAP

Industry Knowledge

3D Prototyping

R&D

Additive Manufacturing

Reverse Engineering

Patent Research

About Me

Mechanical engineering student with a strong interest in product development and design. Through internships and personal projects, I've worked with 3D modeling, prototyping, and visualization tools such as SolidWorks, Fusion 360, and KeyShot. Although my background is primarily technical, I've gradually found myself drawn to the creative side of making — especially in how things are shaped, presented, and experienced. I'm currently seeking to learn more about design through real-world experience & learning about how engineering decisions shape design

Experience

BSH Home Appliances

Mech. Eng. Intern at Cooling R&D

Aug 2024 - Feb 2025

- Tabulated the data from reverse engineering team to compare designs
- Conducted patent research and researched for new designs for possible patent applications
- Using analysis data, created an excel tool to create a calculator without the need of an engineering simulation
- Tabulated price and stock data using SAP data & Excel
- Created new designs according to the feedback from the production
- Worked with 3D prototyping before mold purchases

Zaxe 3D Printing Technologies

Mech. Eng. Intern at R&D

Jul 2023 - Aug 2023

- Used Solidworks to design a machine chasis using sheet metal
- Worked with 3D printers to prototype

Boğaziçi Airbenders UAV Team

Mechanical Team Member

Dec 2021 - Oct 2023

- AUVSI SUAS UAV Competition 2023 Competitor
- Edited a 21min flight review video for that competition
- Crafted BOUN PETEK Fixed Wing UAV with a team of 10 people
- Gave lectures of Fusion 360

Boğaziçi University Science Club

Chair of Astronomy Committee

May 2022 - May 2023

- Created Social Media Posts for event announcements
- Made a presentation on amateur space observation
- Organised a solar eclipse observation event
- Took part in the organization team of the conference events where academicians working in fields such as physics, astronomy and biology presented their work.
- Managed:
 - Emailing with Speakers & University's officials
 - All Committee meetings and events planning
 - Communications with other school clubs from Boğaziçi & other universities

Projects

Boun Petek UAV

Sep 2022 - Apr 2023

at Boğaziçi Airbenders UAV Team

- 3m wingspan fixed wing solar powered UAV for TEKNOFEST
- Worked on the parametric design of this model
- Used static stress analysis
- Designed parts for 3D printing and laser cutting