

Bayram Suat Kekeç

Mechanical Engineering Student at Gebze Technical University
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I am pursuing my degree in Mechanical Engineering at Gebze Technical University, with a particular focus on mechanical design, navigation systems and rocketry. My goal is to take an active role in innovative aerospace and defense projects and deliver tangible engineering solutions.

WORK EXPERIENCE

Short-Term Engineering Intern
Jul 2026 – Aug 2026

ROKETSAN A.Ş. · *Ankara*

Completed my engineering internship at ROKETSAN and gained industry experience in defense design and manufacturing standards. Prepared and delivered a detailed in-unit presentation/report covering munition types and certification requirements.

Long-Term Mechanical Design Intern
Aug 2024 – Aug 2025

Mountain Labs Teknoloji A.Ş. · *Kocaeli, Gebze*

Completed a **long-term mechanical design internship** at Kocaeli IT Valley.

Worked on-site 24 hours a week for 8 months and 16 hours a week for 4 months.

- Joined a project targeting international markets from the concept design stage; ran the CAD and rapid prototyping processes and completed the product's full R&D cycle.
- Took part in the design and improvement phases of a device developed for the domestic market and contributed to the successful completion of its R&D process.

EDUCATION

Mechanical Engineering (B.Sc., 100% English)
2022 – Present

Gebze Technical University · *Kocaeli, Gebze*

GPA: 2.45/4.00

PROJECTS

TÜBİTAK 2209-B - ROKETSAN
2026 – 2027

Research Project Supported by TÜBİTAK & ROKETSAN

Research Title: Design of a TPU-Based Vibration Damper for Rocket Subsystems

Industry Advisor: Dr. Caner Gençoğlu, Unit Manager of Sensor Systems, Roketsan

Academic Advisor: Asst. Prof. Saeed Lotfan, Gebze Technical University

Under the guidance of my advisors, I conducted and reported an R&D project on an innovative damper design addressing vibration problems in rocket and missile systems. I carried out the mechanical analyses, design optimizations and prototyping of TPU damping materials.

TEKNOFEST 2026 Rocket Competition
2025 – 2026

A2 category, 14,100 ft altitude rocket

Role: Team Founder & Team Captain

Model rocket project with which Kaizen Rocket Team won fourth place

AIRBUS Sloshing Rocket Workshop
2024 – 2025

Sıvı çalkantısına yönelik araştırma yaptık, sıvı basıncı ile çalışan iki aşamalı bir roket tasarladık ve ürettik.

Rol: Mekanik Tasarım & Montaj Sorumlusu

Uçuş stabilitesini bozan sıvı çalkantısı sorununa karşı geliştirdiğimiz yenilikçi konsept tasarım ve sönümleme çözümü ile, uluslararası alanda düzenlenen bu organizasyonda dünya sıralamasında ilk 20 proje arasına girme başarısı gösterdik.

CERTIFICATES

TEKNOFEST 2026 Rocket Competition – 4th Place — TEKNOFEST 2026

TEKNOFEST 2025 Rocket Competition – 2nd Place — TEKNOFEST 2025

TEKNOFEST 2024 Rocket Competition – Finalist — TEKNOFEST 2024

Airbus Sloshing Rocket Workshop Dünya 17.si — EUROVIA & AIRBUS 2025

Ford Otosan Career and Development Week — Ford Otosan April 2025

Immersive Design Challenge – Participant — SIEMENS January 2025

CNC Lathe Operator — Tezmaksan Makina May 2024

ISO Quality, Customer Satisfaction and Energy Management — Teknopark Istanbul Academy October 2023