

Muhammet Cengiz Öztürk

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Education

Izmir Katip Celebi University

Bachelor of Science in Mechanical Engineering. GPA: 2.85/4.00

Izmir, Türkiye

Expected 2028

Selcuk University

Associate Degree in Weapons Industry Technology. GPA: 3.59/4.00

Konya, Türkiye

2020-2022

Experience

Sinerji Yüksek Teknoloji A.Ş.

Quality Control Technician

Kırıkkale, Türkiye

August 2022 – October 2022

- Validated compliance of machined components with technical drawings and strict GD&T standards, ensuring manufacturing outputs.
- Executed quality assurance protocols between production and assembly lines, reducing defect rates and mitigating workflow bottlenecks.
- Analyzed advanced manufacturing methods on the shop floor, contributing to continuous improvement in daily production operations.

Huğlu Av Tüfekleri Koop. | Akdaş Silah | Caretta Arms

Defense Industry Voluntary Internships

Konya, Türkiye

October 2021 – June 2022

- Conducted tolerance analyses and monitored precision machining operations, resulting in improved mechanical fit and function of weapon systems.
- Assisted in the precise mechanical assembly of complex firearm components, achieving seamless integration and operational readiness.
- Supported design and engineering analysis processes using CAD software, evaluating the structural integrity of mechanical parts.

Project

Teknofest Rocket Team – Izmir Katip Celebi University

Aerodynamics and Simulation Team Member

Izmir, Türkiye

October 2024 – June 2025

- Simulated aerodynamic models and flight dynamics using MATLAB, optimizing trajectory parameters to achieve a Finalist ranking in the national Teknofest Medium Altitude Competition.
- Collaborated within a multidisciplinary team to analyze complex flight data, validating the structural integrity and operational stability of the rocket.
- Authored detailed technical documentation, ensuring full compliance with rigorous engineering requirements and competition design reports.

Skills

Technical: SolidWorks (Solid modeling and drafting), ANSYS (Static structural analysis), MATLAB & Simulink (Differential equation modeling for simulations), Mathematica (Data visualization for dynamics and circuits), Technical drawing interpretation (GD&T standards), Precision measurement tools. Python (basic projects)

Language: English (Intermediate / B1), Turkish (Native).

Laboratory: Tensile testing, Three-point bending tests, Operation of mechanical testing equipment, Material analysis and lab reporting.