

Eren ARAL | Mechanical Engineer

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Education

Hacettepe University

Bachelor's Degree in Mechanical Engineering GPA: 2.74

Ankara, Türkiye

Graduation: July 2026

Nevşehir Fevzi Dirikoç Science High School

High School Diploma

Nevşehir, Türkiye

Graduation: June 2020

Professional Experience

Kontrolmatik Teknoloji Enerji ve Mühendislik A.Ş.

Procurement Engineering Intern

Ankara, Türkiye

June 2025

- Developed an AI-assisted project to standardize diverse supplier documentation, reducing manual workload by 40%.
- Actively participated in the company-wide transition to the SAP ERP system, supporting process integration.
- Streamlined internal procurement documentation templates, improving workflow efficiency by 20%.
- Reviewed designs and participated in testing high-capacity electrical panels up to 5000 Amps.
- Prepared detailed comparison tables for vendor evaluation and managed supply chain communications.

Anadolu Isuzu Otomotiv Sanayi ve Ticaret A.Ş.

Quality Control Engineering Intern

Kocaeli, Türkiye

August 2024

- Conducted incoming quality control using Zeiss 3D scanning (T-Scan Hawk 2) for dimensional analysis.
- Applied 8D methodology to resolve manufacturing defects, specifically addressing radar bracket and headlight assembly issues.
- Worked on the first 10 prototype vehicles of the Big-E project, focusing on door sealing and chassis corrosion coating.
- Monitored bus and truck assembly lines, analyzing defects in approximately 60 vehicles daily.
- Performed metallographic analysis, salt spray testing, and hardness measurements in calibration units.

Hacettepe University Mechanical Engineering Labs

Workshop Intern

Ankara, Türkiye

June 2022

- Gained hands-on experience in CNC, lathe, milling, and drilling operations.
- Conducted material evaluation through tensile testing and metal forming applications.
- Studied automotive technology, focusing on chassis structures and transmission systems.

Skills & Additional Information

Technical Skills:

- Applications: CATIA, MATLAB, ANSYS Mechanical, LS-Dyna, SAP ERP, Microsoft Excel (Intermediate)
- Measurement & Manufacturing: Zeiss T-Scan (3D Scanning), CNC Machining, Lathe & Milling Operations
- Methodologies: 8D Problem Solving, Quality Assurance Standards, Procurement Comparison Analysis

Professional Qualifications:

- Licenses: Class B Driver's License (Active)
- Military Service: Completed
- Languages: Turkish (Native), English (B2)

References: Available on request.