

Cengizhan ERMET
1140110675@erciyes.edu.tr
(+090)5511102545

Education

- 2025-Present **Erciyes University – Aeronautical Engineering** **TÜRKIYE, Kayseri**
GPA: 3.37 / 4.00
Relevant Coursework: Finite Element Analysis (FEA), Aircraft Structures, Aerodynamics, Computational Fluid Dynamics (CFD).
- 2019-2022 **Istanbul Technical University – Astronautical Engineering** **TÜRKIYE, Istanbul**
GPA: 3.22 / 4.00
Entrepreneurship: Selected for ITU Seed (İTÜ Çekirdek) Incubation Program (Top 5 University Incubator Globally) for the "Gezgin" startup project.

Experience

- 2019-2022 **Gezgin (High Tech Company)** **TÜRKIYE, Istanbul**
Co-Founder
 - Co-founded a high-tech startup incubated at ITU Seed (ranked top 5 globally).
 - Built the initial team, defining technical roles and recruiting the right people for the project.
 - Managed team dynamics and kept motivation high during the product development phase.
- 2025-Present **Momentum Rocket Team (University Team)**
Mechanical Team Member
 - Designing the mechanical structure for the Teknofest A2 Category rocket using Siemens NX.
 - Conducting ongoing structural and aerodynamic analysis in ANSYS to iterate on the design.

Skills CAD/CAE: Siemens NX, CATIA, ANSYS (Structural/CFD).
Computation & Simulation: MATLAB, Simulink (Rocket Flight Dynamics Simulation).
Programming: C Programming.

Languages Turkish: Native.
English: Professional Working Proficiency.
German: Elementary (A2).

Communities Aveonj: Co-founded and contributed to a collaborative technical blog project with engineering peers.
ITU UUMK (Aerospace & Astronautical Engineering Club): Former Active Member; contributed to club projects and technical workshops.
AESTRO Magazine: Former Technical Writer; authored articles on aerospace developments for the official student publication.

Projects **SR-71 Supersonic Inlet Analysis:** Conducted CFD simulations in ANSYS Fluent to analyze critical "shock-on-lip" aerodynamic conditions, utilizing MATLAB to pre-calculate theoretical oblique shock angles for model validation.
Thrust Vector Control (TVC) System: Designing and manufacturing a 2-axis gimballed Thrust Vector Control (TVC) system via 3D printing for solid-propellant static fire testing.
Personal Website (cengizhan.engineer): Currently developing a digital portfolio to host technical research, archive engineering articles, and document ongoing professional development.

Personal Athletics: Former high school volleyball team captain; experienced in team leadership and competitive sports.
Interests: Classical guitar, philosophy, history and psychology.
Research: Enjoys exploring complex topics and sharing technical results through structured articles.