

Belinay Binat

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Education

Eskişehir Technical University B.Sc. in Aircraft Fuselage and Powerplant Maintenance GPA: 3.86	Tepebaşı, Eskişehir 2023 – Present
Eskişehir Technical University Double Major in Mechanical Engineering	Tepebaşı, Eskişehir 2024 – Present
Rzeszów University of Technology Erasmus+ Exchange Program in Mechanical and Aerospace Engineering	Piastów, Rzeszów 2024 – 2025

Projects & Experience

Eskişehir Technical University Unmanned Aerial Vehicles Club Director of R&D and Web <ul style="list-style-type: none">Designed and developed the club's website, boosting organization and improving site visibility.Led research and development efforts on UAV technology, posting several articles on the club website's blog.Managed training programs for 10+ students on UAV technology and self-development, contributing to enhanced knowledge transfer and skill development.	Tepebaşı, Eskişehir 2024 – Present
GraviTeam Technology and Design Team Team Leader <ul style="list-style-type: none">Led the "MonaRosa01 Multifunctional UAV" project for TEKNOFEST inter-high school UAV competitions.Managed the "Operational Multi-Task Vehicle" project, improving payload amount by %50 and adding autonomus flight mode; integrating UAV and rover technologies for TEKNOFEST, resulting in a successful prototype and sponsorship acquisition.Advanced to Malatya Regional Finals for TÜBİTAK 2204 with the "Social Media Supported Health UAV" project.Built an FPV drone for MEB competitions, acquiring skills in Autodesk Fusion 360, ArduPilot, and UAV control systems, which can reach speeds over 100km/h.	Yenişehir, Diyarbakır 2021 – 2023
Sirius Technology and Design Team Founder and Team Leader <ul style="list-style-type: none">Developed an octocopter for TEKNOFEST, achieving successful entry into the competition.Directed a team that designed and constructed the "Navis" Quadcopter UAV, enhancing payload capacity by +5kg for an international UAV cargo competition.	Ereğli, Konya 2020 – 2021

Leadership & Extracurricular Activities

Presenter, Fahrenheit 451 Book Presentation

2022

Sezai Karakoç Anatolian High School

- Scripted and delivered a creative interpretation of Fahrenheit 451, integrating design, performance, and technical elements to enhance audience engagement.

Coordinator, School Debate Club

2021 – 2023

Sezai Karakoç Anatolian High School

- Organized multiple debate tournaments, managing logistics for 10+ teams and ensuring timely event execution.

Skills

- **Software:** Autodesk Fusion 360, PTC Creo Parametric, ArduPilot
- **Technical:** UAV Systems Design, Aircraft Maintenance, CAD Modeling, Mechanical Engineering
- **Languages:** Turkish (Native), English (Fluent), French (Intermediate)

Certifications

- **İş Bankası Pro School Data and AI Class – 2024**
- **Borusan Technology School – 2024**
- **Team Building and Managing Certificate – BTK Academy, 2024**
- **Project and Risk Management Certificate – BTK Academy, 2024**
- **Generative Writing Workshop – Konya Ereğli Science and Art Center, 2021**
- **Amateur-Sportive UAV 1 Pilot Certificate – Directorate General of Civil Aviation, 2021**
- **Amateur-Sportive UAV 2 Pilot Certificate – Directorate General of Civil Aviation, 2021**

Achievements

- Successfully led multiple UAV projects for national competitions, improving technical efficiency across key design parameters.
- Improved in-club management by optimising R&D operational processes.
- Gained sponsorship for cutting-edge UAV projects through strategic presentations and project demonstrations.

Interests

Unmanned Aerial Vehicles, Aviation, Robotics, Design, Literature