

EDUCATION

- **Middle East Technical University** Ankara, Turkey
• *Aerospace Engineering; 4th Year, CGPA: 2.49* *Sept 2019 - Ongoing*
• *Courses: Fluid Mechanics, Numerical Methods, Heat Transfer, Aerodynamics, Applied Elasticity, Aerospace Structures*

SKILLS SUMMARY

- **Languages:** C/C++, Fortran, MATLAB, LaTeX, HTML - CSS - Javascript
- **Softwares:** Catia, Siemens NX, SolidWorks, Fusion 360, xfr5, MS Excel, Illustrator

EXPERIENCE

- **METU Aerospace Society** *Jan 2020 - March 2021*
 - *Head of Communication*
 - Responsible for interactions, announcements within the community and social media accounts of the community.
- **AIRFIIGHTERS Media** *Nov 2021 - Ongoing*
 - *Editor and Representative*
 - Followed and shared the world aviation news on a weekly basis..
 - Designed the graphics needed for the page.
 - METU representative of the page.
- **Turkish Aerospace Industries (TUSAŞ)** *Dec 2021 - May 2022*
 - *Long Term Intern*
 - Worked on the modeling of structural parts.
 - Used mostly shape design, part design and assembly workbenches of Catia.
 - Contributed to modification projects by making detailed research and reports.
 - Researched, modeled and finished a concept modification study.
- **5. Main Maintenance Factory of Turkish Armed Forces** *July 2021 - Aug 2022*
 - *Intern*
 - All phases of the helicopter maintenance at the depot level, especially the main body, engine and composite, were observed.
 - Did the disassembly and assembly of the body parts of different types of helicopters.
 - Contributed to the installation of missile warning systems on relevant helicopters.
 - Performed a test flight with a Sikorsky S-70 Helicopter after maintenance.
- **TÜBİTAK Space Technologies Research Institute (TÜBİTAK UZAY)** *Aug 2021 - Sep 2022*
 - *Intern*
 - Studied in detail on spacecraft orbital and attitude dynamics.
 - Made orbital modeling and visualization using right ascension and declination data by using MATLAB.
 - Contributed technical observations at advanced satellite production and control facilities of TÜBİTAK UZAY.
 - Participated in presentations of future projects of the Institute.

PROJECTS

- **UAV for Teknofest International Unmanned Aircraft Competition 2021 - TÜBİTAK:**
 - Member and pilot of the METU Airbenders team.
 - Designed various sizings for a UAV under 4 kg and its payload system.
 - Studied for the image processing code to detect the release area during the mission.
 - Prepared the fully autonomous control code using px4 autopilot.
- **VTOL UAV for METU VTOL Competition 2020 - Boeing:**
 - Member of the METU Airbenders team.
 - Designed various sizings for a VTOL (vertical take-off and landing) UAV under 4 kg.
 - Performed aerodynamic analysis mainly using XFLR5.
 - The UAV was designed as a quadplane and to carry payload dangling at the end of a 1 meter long rope.
- **UAV for Teknofest International Unmanned Aircraft Competition 2020 - TÜBİTAK:**
 - Member and pilot of the HUMA team.
 - Designed main frame, landing gear, and payload system by using Fusion360 for a quadcopter UAV under 4 kg.
 - Manufactured the frame with CNC using aluminum composite and other components with 3D Printer using PLA.
 - Performed test flights and then made optimizations.
- **International Space Apps Challenge 2020 - NASA:**
 - Developed the basic space game named Fight For Future using Unity and Blender with the team.