Eren Doğu Fırat
Facultyof Engineering Student

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Profile

Motivated and detail-oriented Geomatics Engineering student with a strong passion for Geographic Information Systems (GIS), Photogrammetry, and GNSS Geodesy. I have hands-on experience in digital mapping, data collection, and 3D modeling, which has provided me with a solid foundation in geospatial technologies and software. I am also highly interested in software development and its integration with geospatial applications. Skilled in managing complex projects, working with UAV and satellite data, and producing precise, high-quality geospatial models. In addition to my technical expertise, I have strong leadership abilities and excel in teamwork, communication, and problem-solving. I am eager to further develop my expertise and make meaningful contributions to the GIS, photogrammetry, and geodesy fields.

Professional Experience

07/2025 – 09/2025	**Anka Survey Engineering**	Ankara/Türkiye

Summer Intern
- During my time at Anka Harita, I gained practical experience in zoning and cadastre applications. I participated in parcel boundary determinations, zoning plan analyses, and land subdivision processes. This work strengthened my understanding of cadastral regulations, zoning implementation, and field–office coordination.

07/2024 – 10/2024	**Atay Engineering**	Ankara/Türkiye

Summer Intern
- During my internship at Atay Mühendislik, I worked on the 3D Gordion Project, focusing on processing UAV and drone imagery for high-resolution modeling. I participated in the detection of micro-cracks using thermal cameras. This experience strengthened my skills in photogrammetry, remote sensing, and image analysis.

Projects

Nov 2024 – Present **Lidar-Based Indoor Navigation**

Developing a system for precise indoor navigation by processing and refining LiDAR data to build a reliable real-time tracking infrastructure for indoor environments.

Sep 2023 – Nov 2024 **Raspberry Pi Drone Project**

Designed and developed an image capturing drone using Raspberry Pi and an F-450 frame, focusing on integrating hardware components and developing software solutions to achieve efficient data collection and processing.

Oct 2023 – Present **SHAREWARE AI AUTOMATIONS LIMITED**

Founder of Shareware AI Automations Limited, a company focused on developing and experimenting with AI-based automation solutions. In this initiative, I conducted chatbot development and testing, exploring conversational AI applications and user interaction design.

Certificates

Esri Türkiye — Introduction to GIS Using ArcGIS - **30/07/2024** | Image Analysis in ArcGIS Pro - **18/10/2024**

IGSM — International Geodetic Student Meeting (IGSM) 2024 | International Geodetic Student Organisation | **12/05/2024 - 18/05/2024** | Sofia, Bulgaria

Turkcell — Basic Linux Training 101,201, 301, 401- **2024**

Google My Business — 03/07/2023

OTDU/METU — Infographic Design Using Adobe Illustrator CC 2015 | **28/09/2022**

Organisations

2024-Present	**Geospatial Information Community** President of the Community
12/2023 – 12/2024	**Geospatial Information Community** Chair of the R&D Board

Education

2021–Present	**Department of Geomatic Engineering** Hacettepe University	Ankara/Türkiye

Languages

English — B2

Skills

Problem Solving | Mapping and Editing | Python | UAV Data Processing | SQL | SEO Analysıs | Database Management

Analytical Thinking | Communication Skills | 3D Mesh Creation