

ESMA OĞUZHAN

Geomatics Engineering & Electrical Engineering — Istanbul Technical University

Istanbul, Turkey · oguzhan23@itu.edu.tr · linkedin.com/in/esmaoguzhan · medium.com/@esma328328

PERSONAL INFORMATION

Nationality	Turkish
Location	Sarıyer, İstanbul, Turkey
Email	oguzhan23@itu.edu.tr
LinkedIn	linkedin.com/in/esmaoguzhan
Portfolio	medium.com/@esma328328

PROFILE SUMMARY

Geomatics Engineering undergraduate pursuing a Double Major in Electrical Engineering at Istanbul Technical University (ITU). Integrates geospatial data analytics, GIS methodologies, and software development with an extensive background in large-scale operational logistics, stakeholder diplomacy, and crisis management. Demonstrated leadership across multi-committee climate frameworks, intercity post-disaster field missions, and high-level institutional partnerships. Adept at bridging technical systems with strategic public relations and cross-functional team coordination.

EDUCATION AND TRAINING

Istanbul Technical University (ITU) <i>Bachelor of Science in Geomatics Engineering</i> <i>Double Major, Bachelor of Science in Electrical Engineering</i>	<i>Istanbul, Turkey</i> <i>Sept 2023 – Present</i> <i>Sept 2025 – Present</i>
- Relevant coursework: Spatial Data Infrastructure, Geodetic Positioning, Geographic Information Systems (GIS), Systems & Automation - Activities: İTÜ CORAL (Co-Founder), İTÜ Electrical Engineering Club, İTÜ Volunteer Club (Project Coordinator), İTÜ Archery Team	
Selahaddin Eyyubi Science High School <i>Science Diploma</i>	<i>Turkey</i> <i>2018 – 2022</i>
- Project Leader, "KodlaAğrı" Coding & STEM Initiative — coordinated digital literacy and introductory algorithms workshops (2020) - Principal Investigator, two empirical research projects endorsed by TÜBİTAK (2019–2020) 4th Place Nationwide, Pakistan-Turkey Friendship National Composition Contest (2021)	

WORK EXPERIENCE

Bursa Metropolitan Municipality — Earthquake & Soil Investigation Branch <i>Geomatics Engineering Intern</i>	<i>Summer 2026</i>
- Integrated geospatial datasets, cartographic modeling, and GIS tools with on-site geotechnical soil investigation and seismic risk evaluation workflows - Collaborated with municipal engineers to bridge theoretical spatial analysis with urban resilience and ground deformation monitoring	
İTÜ CORAL (Climate Officers and Resilience Action Laboratory) <i>Co-Founder & Organizing Core Team Coordinator</i>	<i>March 2026 – Present</i>
- Served as PR Head and Organizing Committee member for Next Generation COP: COP30.5 (Aug–Sept 2026), directing public relations, institutional communications, and executive outreach for a climate diplomacy summit hosting 200+ youth delegates from diverse universities - Coordinated academic and operational preparation in alignment with ITU executive leadership, including Prof. Dr. Hasan Mandal, and led multi-track negotiations across six thematic committees, culminating in the drafting and adoption of the Antalya Agreement - Co-organized the panel "Towards COP31: Climate Talks at ITU" with the ITU Environment & Urbanism UYGAR Center, hosting officials from UN-Habitat, FAO, and the UN Resident Coordinator's Office - Co-authored the campus-wide Ayazağa Climate Pact and partnered with İTÜ Databees to integrate environmental sensor networks and digital twin frameworks into campus resilience strategies - Formed and led youth project teams pitching proposals to the Ministry of Youth and Sports (ÜNİDES) Climate Call and the EU Climate Ideathon	
NextGenCOP30.5: Climate Summit and Youth Diplomacy Simulation Program <i>PR & Communications Team Lead</i>	<i>Jan 2026 – Sept 2026</i>
- Spearheaded the PR and communications strategy for an international summit co-organized by the Cemre Foundation, the Ministry of Environment, Urbanization and Climate Change, and ITU - Managed end-to-end communications for the six-day summit held at the Island of Democracy and Freedoms, successfully hosting over 200 participants from diverse universities and backgrounds - Drove months of academic and organizational preparation, leading cross-functional coordination, ideation, and content creation from the initial phase to execution	

- Facilitated seamless operational communication across six distinct committees, directly supporting the negotiation processes that culminated in the Antalya Agreement

İTÜ Volunteer Club — "Umut Okulu" Social Responsibility Project

Nov 2023 – June 2026

Project Coordinator (previously Technical Responsible & Field Volunteer)

- Directed a team of 40+ field volunteers, overseeing fiscal budgeting, contingency protocols, and multi-hub intercity logistics across rural school expeditions in Çorum, Denizli, and Kahramanmaraş
- Supervised on-site psychosocial support programs and community outreach in earthquake-affected Afşin on the third anniversary of the February 6 disaster
- Established data-driven survey evaluation metrics to reduce coordination friction and optimize operational workflows

Ortabahçe Journal (İTÜ EPİGİK)

Dec 2023 – Present

Journal Editor (previously Social Media & Promotion Coordinator)

- Oversees editorial pipelines, publication calendars, and brand communication strategies to scale reader engagement across university student communities

LEADERSHIP ACCELERATORS & FELLOWSHIPS

- YetGen (Yetkin Gençler)** — Graduate of the 14-week 21st-Century Skills Accelerator covering financial literacy, data modeling in Excel, and SDG-aligned social innovation (2024)
- Young Executive Academy (YEA)** — Completed an 11-month executive career development program spanning AI technologies, strategic management, corporate governance, and financial literacy (2023–2024)
- TOG (Community Volunteers Foundation)** — Active Scholar and Youth Network Member engaging in nationwide civic participation, education equity, and sustainability initiatives (2023–Present)

PERSONAL SKILLS & COMPETENCES

Technical competences: GIS / Spatial Data Analysis, Cartography, Python, Flutter (Mobile App Development), C, Java, Control & Automation Fundamentals

Organisational / management competences: Public Relations, Crisis & Risk Management, Stakeholder Diplomacy, Cross-Functional Team Leadership, Event Production & Logistics

LANGUAGE SKILLS

Language	Level (CEFR)	Note
Turkish	Native	Mother tongue
English	B2	Upper-Intermediate
Korean	A2	Elementary
Japanese	A1	Beginner

CERTIFICATIONS

YetGen Basic Certificate (2024); 16th Information Technologies Summit Certificate, ITU MBK (2024)