ERAY ERDOĞAN

ELECTRONICS AND COMMUNICATION ENGINEERING

CONTACT

- +90 543 467 9485
- erayerdogan3551@gmail.com
- Urla, Izmir, Türkiye
- https://www.linkedin.com/in/erayerdogann

SKILLS

- C/C++ Development
- Python Development
- MATLAB Development
- Arduino, STM, Microcontroller, Raspberry Pi
- Embedded Development
- Basic Android Application for Electronics
- Project
- Basic Web Application for Electronics Project
- High communication skills
- IOT Projects with ESP, LoRa
- Sponsorship Skills
- Team Leading
- Team Management
- Project Management
- Driver License (B Class)

LANGUAGES

- Turkish (Native)
- English (Fluent)

PROFILE

Electronics and Communication Engineer with a passion for cutting-edge technology and innovation. Experienced in embedded systems, IoT, and satellite projects, with a strong track record in project management and team leadership. Adept at tackling complex engineering challenges, optimizing processes, and driving impactful results. Highly organized, detail-oriented, and committed to delivering innovative solutions through collaboration and strategic planning.

EXPERIENCE

Filament Tecnology
2025 NOVEMBER - 2025 DECEMBER
Volunteer Intern
- Completed the electrical system design, control panel assembly, and integration of electronic components for the revised version of a 2-axis filament winding machine.

Solar Biotec
2025 SUMMER
Summer Internship
- I worked at Solar Biotec, primarily focusing on STM board software development. My main task was establishing communication between a GPS/GSM module and an STM board. Later, I learned to use an ESP32 board with the ESP32 Debugger.

Polariz Satellite Team
2024 - PRESENT
Founder Team Captain
- I have undertaken the founding of a team that will participate in model satellite competitions in the summer of 2024. We are currently preparing for the Teknofest 2025 Model Satellite Competition. I am responsible for the team's project management and planning, sponsorship affairs, corporate communications and management duties.

IEEE IZTECH Student Branch
Supervisory Board Member (2024 - 2025)
Chairman (2023 - 2024)

- During my 5-year student community adventure, I participated in many technical, hall events, and social awareness projects. I took part in many events. I was the chairman of the board of directors for 1 year. When I started the community, there were 400+ volunteers, and now there are 1000+ volunteers.

TUBITAK 2209-A
2021 - 2023
Project Manager

- Preparation of a Mobile EEG (electroencephalography) Circuit and Software with Brain Machine Interface Integrated, Testing of This System with Real Life Problems
- I worked on Arduino based signal processing circuit and displaying and processing signals using Python and MATLAB. Additionally, I gained a lot of experience in project planning and management.

EDUCATION

Electronics and Communication Engineering
2020 - PRESENT
Izmir Institute of Technology