



# Erkan Tiryakioğlu

Student

Passionate about control cards and embedded systems with experience in both hardware and software projects. Strong communication skills, curious and adaptable, eager to embrace innovation and continuous improvement.

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📍 Ataşehir, Istanbul, Turkey

🐙 github.com/erkantryk

## EDUCATION

### Electrical Electronics Engineering

Marmara University

2020 - Present

Istanbul/Turkey

### High School

Bolu Science High School

2015 - 2019

Bolu/Turkey

Activities

- School Basketball Team - PF
- Arduino Project Team

## WORK EXPERIENCE

### Network Operation & Management Intern

Türk Telekom International

08/2025 - 09/2025

Istanbul/Turkey

Handled service backbone checks, port/VLAN configurations, OTDR measurements, and real-time monitoring with Cacti and Zabbix.

Website : [turktelekomint.com](http://turktelekomint.com)

### Electrical Electronics Engineer Intern

BPAS

07/2024 - 11/2024

Istanbul/Turkey

Contributed to product development through assembly and wiring of components, and conducted motor and controller testing.

Website : [bpas.com.tr](http://bpas.com.tr)

### Embedded Systems Intern

MOVE ON

08/2023 - 10/2023

Istanbul/Turkey

Developed and tested component codes, contributed to IoT tasks and kit assembly, and gained exposure to image processing and AI applications.

Website : [moveon.ai](http://moveon.ai)

### Web Developer

Inntech Yazılım & Bilişim

06/2020 - 08/2021

Bolu/Turkey

Developed and maintained front-end and back-end web applications for company and clients.

Website : [inntechyazilim.com](http://inntechyazilim.com)

## ORGANIZATIONS

### Marmara Havacılık & Uzak Kulübü (2022 - 2023)

Electronics Subunit Leader of the PU-SAT Satellite Team at Teknofest, responsible for communication systems and sensors.

## SKILLS

HTML

CSS

C

C++

Python

Arduino

JavaScript

JQuery

STM32

Matlab

Simulink

LTspice

SQL

OOP

AutoCAD

Teamwork

Leadership

Project Management

LLM Engineering

## EXTRA-CURRICULAR ACTIVITIES

### ESN Marmara - Volunteer (2023 - 2024)

- Organized activities to support Erasmus students and promote cultural exchange.

### Dansmar - Festival Team Member (2021 - 2022)

- Performed bachata shows at the dance festivals of 11 universities.

### Marmara Royals - American Football Team Player (2021 - 2022)

- University league school team - WR/LB

## CERTIFICATES

### Arduino Programming and Hardware Fundamentals

<https://ude.my/UC-05e61e05-c2d5-45e5-b773-5a25d062d825>

### MATLAB Onramp

<https://matlabacademy.mathworks.com/progress/share/certificate.html?id=0bbec26a-894f-4980-881c-df516769fdb9&>

### Simulink Onramp

<https://matlabacademy.mathworks.com/progress/share/certificate.html?id=b81476b6-1c37-43e0-9e54-c70e1e1cd9a0&>

### Querying Database with SQL

<https://gelecegiyazanlar.turkcell.com.tr/certificate/dWikMzU3Njg1Y2lkNTU0MjFxaWQxODJlbmQ=>

## LANGUAGES

Turkish

Native or Bilingual Proficiency

English

Professional Working Proficiency

## INTERESTS

Bachata

American Football

Reading

Writing

Artificial Intelligence

Robotics