



Alperen EROĞLU

Software Engineer

I am an engineer who is eager to learn, has high working energy, has strong human relations, is suitable for teamwork and is social.

Contact Info

✉ aeroglu213@gmail.com

🐙 [@aerogluMU](https://github.com/aerogluMU)

in [alperen-eroglu](https://www.linkedin.com/in/alperen-eroglu)

Education

Marmara University

Electrical-Electronics Engineering (English)

2018-2023

3,23/4

Skills

- C
- C++
- Python
- Java
- MATLAB
- C#
- OpenCV, YOLO, CUDA
- ROS
- SQL, NoSQL
- Git-Github
- Qt Designer

Language

- Turkish (Native Language)
- English (B2 - Upper Intermediate)

Work Experience

● Embedded Developer Intern Tübitak BİLGEM

July 2023 - Aug 2023

During my internship, I did various studies on embedded system software. I developed various projects on receiving and sending special data packages using the UART communication protocol, circular buffer structure, receiving and writing data from the sensor with SPI communication, and FreeRTOS.

● R&D Engineer Liftern Elevator and Automation Inc.

June 2022 - July 2022

I worked as an R&D engineer in the company. I developed STM32 embedded software and IoT systems. I also took part in hardware works such as circuit board design, circuit board component placement.

● Intern Liftern Elevator and Automation Inc.

March 2022 - June 2022

During my internship, I received training and developed projects on embedded system software and IoT systems development in the company.

Alperen EROĞLU

Software Engineer

I am an engineer who is eager to learn, has high working energy, has strong human relations, is suitable for teamwork and is social.



Contact Info

✉ aeroglu213@gmail.com

🐙 [@aerogluMU](https://github.com/aerogluMU)

🌐 [alperen-eroglu](https://www.linkedin.com/in/alperen-eroglu)

References

● **Prof. Dr. Gökhan Bora ESMER**
Marmara University
Department of Electrical and
Electronics Engineering
☎ +90 216 777 3668
✉ bora.esmer@marmara.edu.tr

● **Prof. Dr. Cem ÜNSALAN**
Yeditepe University
Department of Electrical and
Electronics Engineering
☎ +90 216 578 0942
✉ unsalan@yeditepe.edu.tr

Projects

● Smart Robot Vacuum Cleaner

Tübitak 2209-A Project
Advisor | Prof. Dr. Gökhan Bora ESMER

Smart robot vacuums are products that have been talked about in the global market recently and have gained an important place in the market. Due to its innovation in the market and the demand it sees, its development continues today and its importance is increasing in the R&D centers of many important companies. When we look at the smart robot vacuum cleaner market in the world and in our country, unfortunately, there is no product developed and produced in Turkey. This project deals with the R&D problem in the smart robot vacuum cleaner sector in our country.

● Monitoring of Fruit and Vegetable Cases in Markets with an Embedded Camera System

Tübitak 2209-B Project
Advisor | Prof. Dr. Cem Unsalan

One of the important problems in the markets is that the stock of this product cannot be renewed in case of a decrease in the product in the fruit and vegetable section. The aim of this project is to produce a solution to this problem. In addition, rotten fruit analysis is done to prevent the presence of poor quality products in the aisle. For this reason, the successful realization of the project was ensured with the support of Migros AŞ, the industrial partner of the project.