

ALPEREN EROĞLU



PERSONAL INFORMATION

Driver's License : B

CONTACT



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LANGUAGES

ENGLISH : B2

PROFILE

I am a young electrical and electronics engineer who continues his undergraduate education, is eager to learn, has high working energy, is strong in human relations, is suitable for teamwork, and is social.

PROFESSIONAL GOALS

In my education life, I worked with various subjects such as software, embedded systems, microcontrollers, circuit board design and drawing, web development and image processing. In my professional life, I aim to gain experience especially in embedded systems. I also aim to gain experience in image processing. I want to work selflessly in positions where I can gain experience in line with my goals.

EDUCATION

TAÇ HIGH SCHOOL

93,09/100
2013 - 2017

MARMARA UNIVERSITY

ELECTRIC AND ELECTRONICS
ENGINEERING(ENGLISH)
2,89/4
2018 - Continues

PROJECTS

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

Jan 2021 - Sept 2021

TUBITAK 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.

Smart Robot Vacuum Cleaner

Oct 2021 - Sept 2022

GRADUATION PROJECT & TUBITAK 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. Reducing the workload in housework and saving time are some of the conveniences it provides, and it is a proof of how necessary smart robots that make people's lives are for people. 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. Smart robot vacuums, which are named after domestic companies in our country and are on sale in the market, are made in China. This project deals with the R&D problem in the smart robot vacuum cleaner sector in our country.

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WORK EXPERIENCE

R&D Engineer

June 2022 - July 2022

Liftern Elevator and Automation Inc.

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

Intern

March 2022 - June 2022

Liftern Elevator and Automation Inc.

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

SKILLS & KNOWLEDGE

- C
- C++
- Java
- VHDL
- Verilog
- Assembly
- MS Office
- Deep Learning
- Git & GitHub
- NodeJs
- Python
- MATLAB
- React
- CSS
- Bootstrap
- JavaScript
- Wordpress
- SQL
- Communication Protocols (I2C, SPI, USART, CAN, RS232, RS485, TCP/IP)
- Raspberry Pi
- Image processing (OpenCV, MATLAB)
- ROS (Robot Operating System)
- Up to four layers of PCB board design and drawing (KiCAD)
- Power Electronics
- Embedded Systems (ARM, STM32, etc.)

REFERENCE

Prof. Dr. Cem ÜNSALAN

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Prof. Dr. Gökhan Bora ESME

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