

ÖMER ŞENTÜRK

CONTROL AND AUTOMATION ENGINEER



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LANGUAGE

ENGLISH



ABOUT ME

I am Istanbul Technical University Control and Automation Engineering 4th-year student, have been actively involved in the field of industrial automation since 2019. Being at the early stages of my career, I have remained open to diverse experiences and focused on continuous self-improvement to make informed decisions about specializing in the right field. Throughout this journey, I have not only honed my technical skills in industrial automation but also developed teamwork, problem-solving, and communication skills.

Your job posting caught my attention as a position where I believe I can leverage both my technical and social skills effectively. I am excited about the prospect of this role serving as a stepping stone towards achieving my career goals, setting me apart from my peers.

I am confident that this position offers a unique opportunity to contribute to the team and support my journey towards realizing my aspirations. I look forward to discussing further details about my application.

Thank you for your valuable time, and I hope to receive a positive response.

EXPERIENCES

2023 MARCH - / APPLICATION ENGINEER - NOVAS MÜHENDİSLİK OTOMASYON

I have conducted the setup for applying powder coating on a rubber hose using a collaborative robot. The applied coating underwent a quality control process using an internal camera and image processing. The behavior of the collaborative robot was adjusted based on the outcome of the relevant process.

Additionally, a thermoforming machine capable of delivering 30 strokes per minute was commissioned. Synchronization was achieved in this system, which includes an Omron PLC and seven servos, through the implementation of electronic CAM.

2022, DECEMBER - 2023, MARCH / LABORATORY ASSISTANT - AB MARKET OTOMASYON

I have worked on experimentation sets at the Rockwell Laboratory in Istanbul Technical University, focusing on Node-RED, a frequently preferred platform in the field of IoT, used in the laboratory's infrastructure. I implemented multiple servo control using MMC-EtherCAT motion controller and C#, and conducted research on G-Code processing.

2019, JUNE - 2022, SEPTEMBER / APPLICATION ENGINEER - INTECH MÜHENDİSLİK VE OTOMASYON

Due to Intech Mühendislik Otomasyon being a newly established company, I had the opportunity to work in various fields such as software development, assembly, sales, social media management, project planning, and on-site installation. Throughout this process, I gained experience in PLC programming, servo systems, HMI design, industrial and collaborative robot programming, project drawing, and panel assembly.

Additionally, I developed a desktop application using the C# programming language to facilitate the creation and editing of price quotations.

One of the projects I was responsible for involved the software for a thermoforming machine. Using a Beijer PLC, I ensured the control of 3 servo systems and 2 asynchronous motors based on parameters entered through the HMI.

In another project, I programmed a cobot from Omron. In this project, fixtures coming from a conveyor were placed on a grinding machine, and after the grinding process was completed, the cobot transferred the fixture to another conveyor.

EDUCATION

2019 - 2024 / CONTROL AND AUTOMATION ENGINEER

Istanbul Technical University

Rockwell Automation Laboratory, Laboratory Assistant

Düzce Teknopark STARTAP Fintech 2022 Business Opinion Competition, Bronze Medal

Additive Manufacturing Team, Technical Team

2015 - 2019 / HIGH SCHOOL

Şehremini Anatolian High School

Istanbul Science Olympics, Maths, Bronze Medal