

Sadık ÖZEL

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I graduated from Ondokuz Mayıs University in 2024 with a 3.39/4 GPA in Electrical and Electronics Engineering, following the completion of a B2-level optional preparatory class. Since 2019, I've been working with C/C++ programming languages, developing a variety of projects, some of which I share on GitHub. These include Wi-Fi and ESP32-CAM controlled robots, RGB LED control, EMG amplifier, AC temperature control, and OCR-based food label analysis. My internship at Simfer Global gave me hands-on experience with electronic components, circuit design, and embedded software. I also contributed to the software and hardware development of a Teknofest finalist quadruped robot. Alongside technical skills, I've been involved in organizing university career events and volunteering at regional fairs, and I am now focused on advancing my career in software development.

Education

2018 - 2024

[Electrical-Electronics Engineering](#) / Ondokuz Mayıs University, Samsun

I completed the optional preparatory class at B2 level and my undergraduate education with a GPA of 3.39/4.

Experience

JUL 2022 - SEP 2022

[Intern](#) / SIMFER, Kayseri

During my internship at Simfer, I designed and developed circuit boards for electric and gas stoves. I gained experience in firmware development for microcontrollers and microprocessors. Additionally, I worked on implementing communication protocols such as USB, SPI, I2C, and UART, and developed skills in power management, testing, and troubleshooting using tools like oscilloscopes, spectrum analyzers, electronic modules, and multimeters.

Skills

C/C++ • Python • ROS • SIEMENS TIA Portal • MATLAB • KiCAD • Proteus • MS Office Applications

Projects

[Kaşif Quadruped Robot](#)

I collaborated with a team of four, taking on roles in 2D mapping, video transmission, and ground station sections to ensure the robot met desired specifications. The project was accepted for support by the TÜBİTAK-2209A project support program and reached the finals in the Teknofest 2023 competition in the "Technology for Humanity" category.

Languages

English - Professional

German - Beginner

References

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