Ethem Işıldar

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SUMMARY

Passionate Electrical and Electronics Engineering student with hands-on experience in software development, embedded system and electronics. Eager to contribute to innovative projects.

SKILLS AND GOALS

C, Matlab-Simulink, Microprocessors, Proteus, PLC (Siemens), AutoCAD
Microprocessors: Skilled in embedded systems development using C programming on various microcontrollers, including STM32, ESP32,Arduino.
Experience in automation, communication, and simulation projects.
Focused on protocols and IoT automation, with a strong interest in developing expertise in these areas.
Power Electronics: Proficient in power electronics, with experience in electronic simulations and coding using MATLAB.
Knowledgeable about rectifiers, switching elements, and basic PCB design.
Focused on developing expertise in DC/DC and AC/DC converter design.

PROJECTS AND VOLUNTEERINGS

2023-2024

Teknofest - UCAV
Currently working on the Electronic Communication Systems of the Unmanned Combat Aerial Vehicle (UAV) Project at HayTürk. Within the project, I am responsible for enabling live transmission between the UAV's ground control station and server through WiFi, telemetry, and RC communication. Additionally, I am designing the electronic system integration.

Feb 2022 - Oct 2023

Cigre Gazi - Vice President
Part of the founding team of the CIGRE Gazi Community and served as the Vice President of a 15-member board and a 150-member student community. I contributed to the organization and communication of bootcamps, sponsorship files for the community, and its management.

Oct 2021 - Feb 2022

Elitat - HSD Gazi
I'I served on the board of directors of the Elitat community and worked as a designer. I handled tasks related to advertising, poster design, and social media design for the community. Additionally, I collaborated with Elitat to organize joint events with HSD Gazi (Huawei Students Developer Club).

2024

IoT Lighting System
Working on a school project where we can control the lighting system manually via a microcontroller range through a mobile application, autonomously control the light intensity and on/off states using programming and view the amount of energy consumed by the lighting system on a GUI interface based on information transmitted via the cloud.

EDUCATION

Gazi University,Ankara,Turkey

Bachelor of Science:
Electrical and Electronics Engineering
Coursework: Power Electronics (I-II), Microprocessors, C Programming, Matlab Programming, PLC Systems, Circuit Theory (I-II), Electronics (I-II)

Oct 2021 - July 2025