Metehan Şaba

Electrical & Electronics Engineering Student

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PROJECTS

Silkwarm, *Co-Founder, Head of Electronics*
09/2025 – Present
Designed and built a 3D plastic recycling machine, including mechanical structure and motor/heating controls. Developed microcontroller-based automation for temperature, motor speed, and safety functions. Tested and optimized the system for stable and efficient recycling performance.

ERC 2025 - ECO ROVER,
Software Team Lead / Electronics Team Member
10/2024 – 05/2025
Responsible for coordination and supervision of the Software Team and, as an electronics team member Autonomus Robotics Systems and Circuit Design responsible

Ses Kes, Medical Noise Cancellation Device for Neurodivergent People
09/2023 – 01/2024

Teknofest 2021 Rocket Competition,
Medium Altitude Category
01/2022 – 10/2022

Teknofest 2021 - Dog Fight (UAV),
Electronics Team Lead /Software Team Co-Lead
11/2021 – 02/2022

EDUCATION

Electrical and Electronics Engineering,
Izmir University of Economics
10/2021 – Present | Izmir, Turkiye

Math and Science, *TED Ege Collage*

ORGANIZATIONS

IEEE IEU, *Board of Supervision*
08/2025 – Present
Active control of the functioning and progress of the club within the framework of its implementation and plans

IEEE IEU, *RAS Chairman*
12/2021 – 08/2025 | Izmir, Turkiye
During the process, I was responsible for playing an active role in organizing more than 65 events, trainings,
seminars and project groups.

PROFESSIONAL EXPERIENCE

Advoard Robotics, *Electronics Engineering Intern*
06/2025 – 09/2025 | İzmir Turkiye
Built basic automation and control systems using Siemens S7-1200/1500 PLCs. Used TIA Portal V18 and PLCSIM Advanced for I/O testing and simulation. Implemented real-time data communication between Python and PLC via Data Blocks. Developed a setup for remote monitoring and control.

Ses Kes,
Electronics and Computer Engineer/ AI Team Member
09/2023

SKILLS

OrCAD, KICAD, MATLAB, Fusion, ROS 2, PLC Programming, Python, C, C++, Assambly, Teamwork, Project Management, Organisation, Creativity, Problem Solving, Crisis Management

INTERESTS

Swimming — During my high school life, I swam professionally for years and won outstanding awards in various competitions. │ **American Football** — I played in my university's team for 1 year. (IEU HALCYONS) │ **Music** — Played Drums and Flute for 10 years.

✓ LANGUAGES

Turkish	● ● ● ● ●
English	● ● ● ● ○
French	● ○ ○ ○ ○
German	● ○ ○ ○ ○