

M. BURAK AYDAR

Electrical & Electronics Engineering Student



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Eryaman, Ankara / Turkey

PROFILE INFO

I am eager to explore opportunities that can help me develop my skills, expand my knowledge, and unlock my full potential in the fields of space exploration and physics while applying the principles of electrical and electronic engineering.

Date of Birth : 14.11.2002

Citizenship : Turkish

EDUCATION

► B.S. Electrical & Electronics Engineering | EN

2020 - Ongoing

Middle East Technical University

Undergraduate Research Projects

- Analysis of the Relationship Between UV Rays and Air Quality Using Model Satellite
- Modeling Rocket Orbit Using Airfoil Shaped Fins

EXPERIENCES

► METU ROBOTICS SOCIETY

2021 - Ongoing

- Model Satellite Team Coordinator**
 - The team of 15+ people, designs model satellites for various domestic and international competitions
 - Coordinating the team established to encourage the design and application of robots and robotic subsystems
- Rocket Avionics Team Coordinator**
 - Managing a team of 40+ people
 - Conducting R&D and P&D studies for various domestic and international competitions and events
 - Designing, programming and manufacturing various rockets and satellites with the team

Competitions & Achievements

- CanSat 2023 | Ongoing & Finalist**
Avionics Coordinator
- Teknofest 2023 Model Satellite Competition | Ongoing**
General Coordinator
- IREC 2023 | Ongoing**
Avionics Coordinator
- Teknofest 2022 Rocket Competition | 1st Place in the Turkey PDR Stage**
Avionics Coordinator
- Teknofest 2023 Rocket Competition | Ongoing & Finalist**
Avionics Coordinator
- Teknofest 2022 Model Satellite Competition | Finalist**
General Coordinator

► ERYAMAN SPORT

2020 - 2021

Website Designer | Part-time

- Constructing and designing the e-commerce website of the sports club with Wordpress infrastructure
- Ensuring the organization and development of the website after its construction
- Making entries of company products with their visuals and explanations, and adding them to the store page
- Establishment and addition of payment infrastructure
- The website is active for 3 years

EXPERIENCES (cont.)

▶ ERBIL ELECTRONICS

2019 - 2020

Volunteer | Part-time

- Supporting the installation, maintenance and service processes of security automation (CCTV, fire detection, access control, voice-over) systems
- Supporting the project design process of the solution needed in the field
- Monitoring the cabling, assembly and commissioning processes of the systems

SKILLS

LANGUAGE SKILLS

- ★ **Turkish** | Native
- ★ **English** | Intermediate

SOFTWARE SKILLS

- | | | | |
|-----------|-----------|------------------------------|-----------|
| ★ Python | ● ● ● ● ● | ★ Matlab | ● ● ● ● ● |
| ★ C/C++ | ● ● ● ● ● | ★ Kalman Filter Applications | ● ● ● ● ● |
| ★ Arduino | ● ● ● ● ● | ★ Embedded Systems | ● ● ● ● ● |
| ★ STM32 | ● ● ● ● ● | | |

SOFT SKILLS

- | | |
|---------------------------|----------------|
| ★ Team Management | ★ Coordination |
| ★ Organization & Planning | ★ Leadership |
| ★ Time Management | ★ Creativity |

OTHER COMPETITIONS

- | | |
|---|--|
| ▶ University Entrance Exam (YKS)
740th in the Country | ▶ Marmara Robot 16'
Line Follower Category Participant |
| ▶ UORG 17'
Line Follower Category Participant | ▶ National Tangram Competition
1st place |
| ▶ MEB Robot 17'
Mini Sumo Category Participant | ▶ National Quoridor Tournament
1st place |
| ▶ MEB Robot 17'
Line Follower Category Participant | ▶ National Math Olympiads
365th place |
| ▶ Marmara Robot 16'
Mini Sumo Category Participant | ▶ National Graphic Design Competition
3rd place |

ACTIVITIES

- | | |
|--|---|
| ▶ The Ministry of Youth and Sports of the Republic of Turkey RoboGenç Robot Competition
Coordinator 2023 | ▶ METUOR Rocket Team
Founder 2021 |
| ▶ 19. International METU Robotics Days
Coordinator 2023 | ▶ Ozkent Akbilek Science High School Robotic Society
Founder 2016 |