

Mert E. Durmaz | Undergraduate Physics Student in METU

Physics Department
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in Mert Erman Durmaz

Education

8/2023 - **Middle East Technical University, Ankara, Türkiye**

Present Bachelor of Science

- Major: Physics
- GPA: 3.14

08/2019 - **Namik Karamancı Science Highschool, Antalya, Türkiye**

05/2023 • GPA: 95.93/100

- **Erasmus+ Exchange:** Participated in a short-term student exchange program in France focused on the project "*Unmask fake news to be a fairly informed European citizen*".

Coursework

- **Physics:** Mechanics, Electromagnetism, Basics of Computational Physics, Electronics, Optics and Waves, Physics Laboratory I-II
- **Mathematics:** Calculus I-II, Linear Algebra, Differential Equations (Mathematical Methods in Physics)
- **English:** English for Academic Purposes I-II

Observing Experience

2/2024 - **Kreiken Observatory, Ankara/Türkiye**

6/2024 Conducted weekly observations of binary star systems using the T80 Telescope.
Performed photometric analysis and generated light curves to study stellar variability.

Volunteering & Outreach

2023- METU Amateur Astronomy Society, Ankara, Türkiye

Present **Active Member & Volunteer**

Participated in organizing public observation nights and giving seminars.

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| 08/2022 | TÜBİTAK National Night Sky Observation Fest, <i>Antalya, Türkiye</i> Expert Guide Narrated the night sky and introduced the TUG Campus to the participants. |
| 2020 Present | - International Asteroid Search Campaign (IASC), <i>Online / Global Citizen Scientist</i> Analyzed astrometric data from Pan-STARRS telescopes. Credited with the discovery of an asteroid with Provisional Status recognized by the Minor Planet Center (MPC). • Provisional Designation: 2022 SZ124 |
| 2021 Present | - DEKAFOK (Marine Conservation Association), <i>Antalya, Türkiye</i> Field Volunteer & Supervisory Board Member Participated in conservation efforts for sea turtles and coastal ecosystems, conducted night patrols, and engaged in teamwork under field conditions while collecting critical data on sea turtles. |

Certificates & Trainings

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| 2019 | - DENEYAP Technology Workshops, <i>Antalya, Türkiye</i> |
| 2022 | - Graduate Completed a 36-month intensive technical training program covering Artificial Intelligence, Robotics, Electronic Programming, and Energy Technologies. Selected through a competitive nationwide exam. |
| 02/2025 | - Mustafa Akgul Free Software Winter Camp, <i>Eskişehir, Türkiye</i> Certificate of Participation Completed a 26-hour intensive training on GNU/Linux System Administration (Level 0.5). Covered file system hierarchy, user management, permissions, and advanced command-line operations. |

Skills

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|----------------------------------|---|
| Programming | Python (NumPy, Matplotlib), LaTeX |
| Operating Systems | GNU/Linux (Bash Scripting), Windows |
| Laboratory & Hardware | Telescope Operations, Arduino, Basic Circuitry |
| Software & Tools | Microsoft Office, Astrometrica, Stellarium |
| Languages | Turkish (Native), English (Fluent), German (Elementary) |