

Mert E. Durmaz | Undergraduate Physics Student in METU

Physics Department
ODTÜ / METU
Ankara, TR, 06800

✉ erman.durmaz@metu.edu.tr
LinkedIn 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.

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

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

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)