

Korhan KARA

korhankara98@gmail.com

korhankara.com

5B Block, Apt. 4, Gökürk Street, Baraj District
Ankara-Altındağ

Education

2017-19	B.Sc. Physics Engineering, İstanbul Medeniyet University - Coursework
2019-23	B.Sc. Astronomy and Space Sciences, Ankara University, GPA:3.16/4
2024-25	M.Sc. , Astronomy and Space Sciences, Ankara University, GPA:3.48/4 - Coursework

Research Experience

2022-July	Observing and Research Assistant, National and Kapodistrian University of Athens (Greece), Applied W-D code with Monte Carlo and Bayesian MCMC methods for binary star modeling (Python).
2024-Feb	Research Assistant, Adıyaman University, TUBITAK 1001, Processed JWST data with aperture correction and performed statistical analysis (Python).
2024-Aug	Research Assistant, Ankara University, TUBITAK 3501, Applied OLS regression and statistical tests to analyze stellar parameters and abundances (Python, R, IDL).

Projects

2021-2022	Rocketry Competition, Mid Alt. Category (10,000 ft.) - 13th (OpenRocket, Rocksim, AutoCAD)
2023	Astro Object: Observation Planning Toolkit (Python).
2024	Kreiken StarSeeker: Autonomous Telescope Network (Python).
2025	AutoHAMMER: Spectrum Normalizer (Python).

Tools & Software

IBM Cognos, R, Python, SQL, IDL, MS Office, MATLAB-Simulink, AutoCAD

Certificates

IBM - Data Analyst Professional Certificate (D2ZN83CM3MM7)
IBM - Data Science Professional Certificate (UC2KYKMGQNDL)
J. Hopkins University - Advanced Statistics for Data Science (QAATE4V2KA45)

Seminars

2024-Dec. The New Member of the Orion Complex: Orion X.

Honors - Awards

2024-Feb. TUBITAK ARDEB 1001 Research Fellowship

2024-Oct. TUBITAK ARDEB 3501 Research Fellowship

Teaching

Ankara University

2022-23 Observing Coordinator, Kreiken Observatory

Led and trained team members in conducting astronomical observations and operating telescopes.

Other Experience

2020 Student Club: ASART (Astronomy Research Society) - President

2023 Intern, [Astromed](#), Ankara

2024 Military Service (Certificate of Achievement), Turkish Air Force (1st Lieutenant Ertuğrul Güneş), Kütahya

Documents and references are available upon request.

Last updated: August 27, 2025