


# CIHAN TUĞRUL TEZCAN

 c.tugrultezcan@gmail.com

 +905438612852

 Erzurum, Türkiye 25010

 ctugtez.github.io

## PROFESSIONAL SUMMARY

With a Ph.D. in Astronomy and Astrophysics, I offer expertise in observational techniques, telescope operation, and data analysis. Proficient in Python programming, I develop effective data manipulation and analysis tools, while also demonstrating critical thinking and problem-solving abilities. I am eager to expand my skills in the astronomical data science area. I possess strong communication skills, am a team player, and am committed to continuous learning and self-development.

## SKILLS

- Data Manipulation, Analysis and Statistics.
- Handling Observational and Archival Astronomy Data.
- Observational Skills.
- Telescopes; usage, planning, basic maintenance, and repair.
- Advanced Python Programming Language.
- Technical consulting.
- Study design.
- Critical Thinking & Problem Solving.

## EDUCATION

### Ataturk University

Erzurum • 2024

**Ph.D.:** Astronomy and Astrophysics

- 3.54/4.00 GPA
- Thesis: "Atmospheric Profile of the Eastern Anatolia Observatory (DAG) with Atmospheric Turbulence and Seeing Observations".
- Development and management project of building DAG Turbulence Profiling System (TPS).
- Handling data pipeline for TPS.

### Ankara University

Ankara • 2016

**Master of Science:** Astronomy and Space Sciences, Binary Stars

- 3.83/4.00 GPA
- Thesis: "Analysis program for period changes of eclipsing binary stars: ANGORA".
- Photometric and spectral (TFOCS, COUDE) observations and data reduction and analysis.

### Ankara University

Ankara • 2011

**Bachelor of Science:** Astronomy and Space Sciences 2.84/4.00 GPA

## WORK HISTORY

### Türkiye National Observatories (Formerly ATASAM) - Researcher

Erzurum • 2017 - Current

- Expertise researcher of Astronomy and Astrophysics.
- Project management and development of sub-systems of Eastern Anatolia Observatory.
- Data scientist.
- Requested or acquired equipment or supplies necessary for projects.
- Performed accurate quantitative analysis of targeted data research, collection, and report preparation.
- Gathered and organized information for research purposes.
- Responsible of repair, maintenance and usage planning of telescopes belong to Türkiye National Observatories.
- Hands-on contribution to build, develop and use of DAG 4m with active and adaptive optics, VIS+IR telescope.

### ASTROMED - Sales Representative and Consult

Ankara • 2016 - 2017.

- Boosted internal collaboration within the sales team by sharing best practices and offering mentorship when needed.
- Conducted astronomical products demonstrations to educate customers on features, benefits, and competitive advantages.
- Listened to customer needs and desires to identify and recommend optimal astronomical products.
- Developed and maintained comprehensive understanding of products, services, and competitors to enhance sales presentations.

### Ankara University Kreiken Observatory - Part-Time, Student Researcher

Ankara • 2012 - 2016

- Expanded personal research skills by actively participating in workshops or seminars focused on emerging trends within the field, ensuring a well-rounded understanding of current best practices.
- Interpreted and analyzed research data to draw conclusions on outcomes.
- Performed routine data analysis to correct and verify data entry.
- Scholar researcher and observer of various TUBITAK Astronomy and Observation related projects. (Projects: 115F033, MFAG-113F266)
- Astronomy lecturer and public science communicator.