



Apostolos Menis

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OBJECTIVE

I am a graduate physicist from the National and Kapodistrian University of Athens (GPA: 8.59/10.00) with a strong academic focus on astrophysics, developed through rigorous coursework and research experience. I am currently pursuing an MSc in Astrophysics at LMU Munich, where I aim to deepen my theoretical and computational expertise and engage in cutting-edge research, through various Research Projects and my Master's Thesis. My long-term goal is to pursue a PhD and build an academic career dedicated to advancing our understanding of the Universe.

EDUCATION

Master of Astrophysics, LMU, (G.P.A.: 1.20/1.00 - Very Good) Fall 2025 - Ongoing

Relevant Courses: Hydrodynamics-1.0/1.0, Cosmology-1.3/1.0, Deep Learning-1.3/1.0, Introduction to Advanced Astrophysics-1.3/1.0

Bachelor of Physics, NKUA, (G.P.A.: 8.59/10.00 - Excellent) Fall 2021 - Summer 2025

Relevant Courses: Stellar Astrophysics-10/10, Astrophysical Fluids-10/10, General Theory of Relativity (postgraduate)-9/10, Astroparticle Physics and Cosmic Rays-10/10

Panhellenic University Entrance Exams, Overall score: 18,088/20,000 June 2021

Relevant grades: Physics-18.3/20.0, Mathematics-19.9/20.0

Ionideios High School of Piraeus, (G.P.A.: 19.9/20.0) Fall 2018 - Summer 2021

Ionideios Junior High School School of Piraeus Fall 2015 - Summer 2018

RESEARCH EXPERIENCE

Research Internship and BSc Thesis Summer 2024 - Summer 2025

AGN distribution inside galaxy clusters, IAASARS, NOA, Athens

Supervisor: Senior Researcher Elias Koulouridis

Grades: Final-Year Dissertation I–10/10, Final-Year Dissertation II–10/10

- Performed computer aided statistical analysis of astrophysical data from space telescopes like eRosita and XMM-Newton.
- Studied the AGN distribution in galaxy groups and clusters around the cosmos.

- Studied the galaxy population distribution inside clusters.
- Performed analysis of observational data such as sensitivity maps of the XMM-Newton space telescope.

Astrophysics Lab Project

December 2024 - January 2025

Spectroscopic Study of S-type Stars, NKUA, Athens

Supervisor: Professor Th. Apostolatos

- Determined the orbital parameters of S-type stars around the SMBH in our Galaxy through spectroscopic analysis.
- Derived the radial velocities, in combination with observations of the projected elliptical orbit in the sky.
- Estimated the mass of the SMBH Sgr A*.

Research Project

Fall - Winter 2023

Time delays induced by gravitational lensing and dust scattering, Department of Physics, NKUA, Athens

Supervisor: Assistant Professor Maria Petropoulou

- Studied the gravitational lensing effect from a point mass.
- Studied the scattering of X-RAYS emitted by GRBs from dust clouds.

**COMPUTER,
SOFT SKILLS**

Languages: Python, C, SQL.

Software: Matlab, LoggerPro, LaTeX, MS Word, MS Excel, MS PowerPoint, DS9, GitHub, Jupyter

Soft Skills: Communication and team collaboration, leadership and confident spirit.

CONFERENCES

Xmas Theoretical Physics Workshop 2025, NKUA, Athens

Winter 2024

Summer School of Gravity and Cosmology 2024, IAASARS, NOA

Spring 2024

3rd Python & Machine Learning Bootcamp, INPP, NCSR Democritos Summer 2023

LANGUAGES

Greek: Native Tongue

English: C2-Fluent, IELTS Overall Score: 8.0/9.0

German: B1-Intermediate, GOETHE ZERTIFICAT

REFERENCES

Up to three upon request.

PERSONAL

Born: September 18, 2003 (Amarousio, Attikis, Greece)

Citizenship: Greek

Hobbies: Basketball, Chess