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Education	M.Sc., Astronomy and Data Science Leiden University, (September, 2024) B.Sc., Physics Aristotle University of Thessaloniki, (November, 2020)
Publications	Predicting binary neutron star postmerger spectra using artificial neural networks with Dr. Nikolaos Stergioulas and PhD candidate Dimitrios Pesios September 2024
Research	M.Sc. Thesis Project: Applying a cross-power model for power suppression in FLAMINGO supervised by Dr. Marcel van Daalen September 2023 - June 2024 Reinforcement learning for adaptive optics and exoplanet imaging supervised by PhD candidate Rico Landman, Dr. Thomas Moerland, and Dr. Aske Plaat October 2023 - February 2024 M.Sc. Thesis Project: Finding the best exoplanets to search for exomoons by radial velocity supervised by Dr. Matthew Kenworthy March 2022 - December 2022 B.Sc. Thesis Project: Spectral Classification of Neutron Star Post-Merger Gravitational Wave Emission supervised by Dr. Nikolaos Stergioulas Gravitational waves group, Physics Department, Aristotle University of Thessaloniki September 2019 - September 2020
Conference Presentations	79th Dutch Astronomers' Conference Poster Presentation, Applying a cross-power model for power suppression in FLAMNGO Egmond aan Zee, The Netherlands, 13-15 May, 2024
Conferences Attended	78th Dutch Astronomers' Conference Leeuwarden, The Netherlands, 15-17 May, 2023 Gravitational-Wave Open Data Workshop (#3 - #7) Remote, May 2020, May 2021, May 2022, May 2023, April 2024 2nd g2net Training School University of Malta, Valetta, Malta, 9-13 March, 2020 School on Neutron Star Physics in the Era of Gravitational Wave Astronomy Eberhard Karls University of Tuebingen, Germany, 13-15 November, 2019

14th Hellenic Astronomical Conference
Volos, Greece, 8-11 July, 2019

**3rd HEL.A.S. Summer School and DAAD School
on Neutron Stars and Gravitational Waves**
Thessaloniki, Greece, 8-12 October, 2018

17th Conference of the Hellenic Physical Society
Thessaloniki, 15-18 March, 2018

Experience	Teaching Assistant in the Course of Reinforcement Learning (M.Sc.) Leiden University, 2024
	Teaching Assistant in the Course of Science and the Public (M.Sc.) Leiden University, 2023 - 2024
	Teaching Assistant in the Course of Astronomy Lab and Observing Project (B.Sc.) Leiden University, 2024
	Private Tutor for Physics, Mathematics and Chemistry 2018 - 2024
	Instructor for the Preparation of the Greek Team for the International Olympiad on Astronomy and Astrophysics Summer 2016, Summer 2018, Summer 2019, Fall 2021, Summer 2022 Fall 2022, Summer 2023
	Grading Assistant in the Course of Astronomy and Astrophysics Aristotle University of Thessaloniki, 2018-2020
Distinctions	Public Outreach Guide at the Astronomical Observatory of the Aristotle University of Thessaloniki 2018-2021
	Scholarship from Cosmote for undergraduate studies Greece, 2015-2019
	Honorable Mention, International Olympiad on Astronomy and Astrophysics Indonesia, 2015
Computer Skills	Participation, International Olympiad on Astronomy and Astrophysics Romania, 2014
	Experties: Python, Jupyter, Git (Github & Gitlab) Linux OS, L ^A T _E X, VS Code Familiar: SQL, C, Mathematica, Matlab Machine and Deep Learning: PyTorch, Tensorflow, Keras, Scikit-learn, Jax Data Science and Mining: Pandas, Numpy, Matplotlib, Seaborn, Scipy, Nbodykit I.T. Skills: Bash, SSH, Anaconda, JupyterHub github/gitlab link: https://github.com/johnkou97 , https://gitlab.com/johnkou97
Languages	English (C2), German (B1), Greek (native speaker), Dutch (beginner)