

RAUL DE ASSIS SANTOS

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Lattes, LinkedIn and GitHub

EDUCATION	Instituto Tecnológico de Aeronáutica <i>M. Sc. in Nuclear Physics</i> <ul style="list-style-type: none">• Master's simultaneous with B. Sc.	São José dos Campos, Brasil 2025 – 2027 (expected)
	Instituto Superior Tecnico, Universidade de Lisboa <i>M. Sc. in Engineering Physics</i> <ul style="list-style-type: none">• ERASMUS Student (GPA: 15/20)	Lisbon, Portugal 2024 – 2025
	Escola de Engenharia de Lorena, Universidade de São Paulo <i>B. Sc. in Engineering Physics</i> <ul style="list-style-type: none">• GPA: 7.9/10.0	Lorena, Brasil 2022 – 2026 (expected)
EXPERIENCE AND PROJECTS	Undergraduate Researcher (CNPq scholarship) <i>Study of Gravitational Wave phenomena and Modified Gravity.</i>	2025 – Present
	Tutor in Quantum Mechanics <i>Tutor of the Quantum Mechanics course (undergraduate level).</i>	2025
	Scientific initiation in Gravitation (Volunteer) <i>After learning the basis of GR, my focus was studying fixed Lifshitz points at a specific Black Hole using the Variational Principle. I could check that, at those conditions, GR results could be recovered.</i>	2023 – 2025
	Hackathon NASA Space Apps <i>In 2023 we worked on a project about Magnetic Reconnection. At 2024, with more experience, we developed a project on predicting Planetary Seismology using Machine Learning. This was the project that made us won the “Global Nominee” award.</i>	2023 and 2024
AWARDS AND HONORS	<ul style="list-style-type: none">• Academic Scholarship: Academic Merit Universidade de São Paulo (USP)	2024
	<ul style="list-style-type: none">• 2024 Global Nominee NASA Global Space Apps Challenge	2024
	<ul style="list-style-type: none">• Gold Medal at Brazilian Astronomy and Astronautics Olympiad Agência Espacial Brasileira (AEB)	2020
SKILLS	Languages: Portuguese, English. Programming: Python, Maple, Mathematica.	