

Angelo Antonio Vernaschi Zampronio

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EDUCATION

University of São Paulo

Bachelor's in Computational Physics

São Carlos, SP, Brazil

Feb. 2021 – Dec. 2024

University of São Paulo

Master's Degree in Physics

São Carlos, SP, Brazil

Jan. 2025 – Present

EXPERIENCE

Undergraduate Researcher

Jan. 2024 – Dez. 2024

Conducted a FAPESP-funded undergraduate research project titled "Quantum phase transitions in one-dimensional integrable systems" in the field of condensed matter physics.

- Skills: Quantum Mechanics, Linear Algebra, Mathematical Abstraction, Mathematical Modeling of Physical Systems.

Graduate Researcher

Jan 2025 – Present

As a Master's student, I am developing a CAPES-funded research project titled "Noise spectroscopy in quantum logic gates using machine learning".

- Skills: Python, C, Quantum Computing, Quantum Mechanics, Optimization Algorithms, Numerical Methods, Mathematical Abstraction, Computational Modeling, Machine Learning

Graduate Teaching Assistantship - University of São Paulo

Mar 2025 – Nov 2025

Served as a Teaching Assistant for the "Physics III" course two times.

- Skills: Instruction and teaching, classroom management, explaining complex concepts.

IDIOMS

Portuguese - **Fluent**

English - **Advanced**