

Olimpiu Anton

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Education

- 2024–Present **Master's Program in Theoretical and Computational Physics**, *Unibuc, Faculty of Physics*
Thesis (in preparation): "Metaplectic groups in arbitrary dimensions and their representations through quadratic Hamiltonians."
- 2021–2023 **Master's Program in Physics for Advanced Technologies**, *"Alexandru Ioan Cuza" Physics Faculty*
- 2018–2021 **Bachelor's Degree**, *"Alexandru Ioan Cuza" Physics Faculty*
Thesis: "Quantum mechanical model of the one – electron atom. The Schrodinger Equation"
- 2010–2014 **Highschool**, *Technical College "Traian Vuia"*
Diploma: Mechatronics Technician

Seminar, Workshop and Conference participation

- 2023–present **Mathematical Physics**
- Member of a research project, supported by the Stoilow Mathematics Institute and IFIN-HH, studying characteristic classes, classifying spaces, and bundles; supervised by Prof. Dr. Calin Lazaroiu.
 - Deputy coordinator of a mathematical physics class, part of the Trans-Carpathian Seminar on Geometry and Physics; responsible for preparing weekly tests for participants.
 - Attended The Pentagon of the Romanian Physics Universities, Cluj, Romania, 2024 – Speaker: Spin Geometry and the Dirac Operators.
 - Attended the conference "Quantum Mechanics: Physical and Metaphysical Issues" at the Faculty of Physics, UniBuc, 5–7 May 2025.
 - Attended "Mathematical methods in Gravitation and Cosmology" November 13-17, 2024, Bucharest-Magurele
 - Attended the Minischool session of the CERN – SEENET-MTP – ICTP PhD Training Program on "Mathematical Methods in Gravitation and Cosmology.", November 14-16, 2024
 - Participated in Strings 2025 (NYU Abu Dhabi, UAE, January 2025) — International conference on string theory, quantum gravity, and related topics.

Work Experience

- 2025–Present **Research Assistant**, Horia Hulubei National Institute of Physics and Nuclear Engineering — Department of Theoretical Physics
- 2022 – 2023 **Modern Hebrew Tutor**, Self – employed: taught fundamentals of grammar (reading and writing)
- 2023 – 2024 **Mathematics Private Tutor**, Provided one-on-one tutoring to high school students
- 2021 – 2022 **English Private Tutor**
- 2019 – 2020 **Manager**, "Emanuel" Transportation Company
- 2017 – 2024 **Painter – Sofer STAM**, Self – employed: sold religious Jewish paintings worldwide, the profits from which went to support my education.
- 2015 – 2017 **Community Services Assistant**, Held various responsibilities within the Jewish community of Galați, including overseeing the administration of the Israelite cemetery, cataloguing religious Jewish books that had been hidden during the fascist Antonescu regime, and providing assistance to senior members of the community.

Community Service

- 2022 – 2023 **Archivist**, "The Masons Temple" Synagogue, Galați: created a digital archive that helps members of the international Jewish community find family members interred in Galați.

Language and Technical Skills

Native Proficiency: Romanian

Professional Proficiency: English C1, Band 7 IELTS

Basic Skills: Modern Hebrew, Arabic

Programming: Python – CS50 Harvard Course

Analysis Data: Wolfram Mathematica, OriginPro