

Curriculum Vitae

Personal details

Surname Ramos Salamanca
First names David Leonardo
ORCID 0000-0003-0352-9578
Email davidramossal@gmail.com
Residence Tampere
Phone number +358 0415729766
Personal website <https://davidramossal.github.io>
Date of CV 28.12.2023

Degrees

April 2023 **Master of Science in Physics**
Universidad Industrial de Santander, Colombia
PBX: (+57) (607) 634 4000 - Site: <https://uis.edu.co/en/>
Subjects: statistical physics, magnetism
Thesis: Study of magnetic skyrmions in square lattice antiferromagnets
Advisor: Pierre Pujol

Dec. 2019 **Bachelor of Science in Physics**
Universidad Industrial de Santander, Colombia
Subjects: general relativity, astrophysics
Thesis: Physical acceptability of compact objects
Advisor: Luis A. Núñez

Other education and expertise

Dec. 2023 **CS50x Introduction to Computer Science I**
HarvardX
Subjects: algorithms, data structures, resource management, software engineering, web programming.
Certificate: <https://certificates.cs50.io/76354f98-bc87-4500-bc2f-41ccebfd1868.pdf?size=letter>
Project: https://github.com/DavidRamosSal/playlist_sentiment_analyser

Dec. 2021 **Specialization Program in Advanced Physics (1 year)**
LA-CoNGA physics
Scope: <https://laconga.redclara.net/en/academic-offering/>
Subjects: data science, scientific instrumentation, complex systems theory
Contact: José Ocariz, Program Coordinator, ocariz@in2p3.fr

Language skills

Spanish – Native language
English – C1 (Band 8 IELTS Academic Online)

Previous work experience

- Feb. 2022 – May 2022 **Research intern**
Université Paul Sabatier - Laboratoire de Physique Théorique, France
Duties: implemented optimizations to parallel tempering Monte Carlo code for the simulation of classical spin models with phase transitions.
Supervisor: Pierre Pujol
- July 2020 – Nov. 2020 **Physicist**
Universidad Industrial de Santander, Colombia
Duties: built and documented experiments on the physics of climate change for the science outreach project AstroPáramo.
- May 2019 – Sept. 2019 **Physics Tutor**
Universidad Industrial de Santander, Colombia
Duties: helped science and engineering students learn and understand new concepts and complete assignments.

Awards and honours

- 2020 **Outstanding bachelor's thesis distinction**
Universidad Industrial de Santander, Colombia

Other key academic merits

Participation in scientific conferences

- 2022 **12th International Conference on Magnetic and Superconducting Materials**
University of Duisburg-Essen, Germany
Oral presentation: *Stability of antiferromagnetic skyrmions*
- 2020 **22nd Chilean Symposium of Physics**
Universidad Tecnológica Metropolitana, Chile (Online)
Poster presentation: *Physical acceptability of neutron stars with realistic equations of state*
- 2019 **6th Colombian Congress of Astronomy and Astrophysics**
Universidad de Antioquia, Colombia
Poster presentation: *Stellar structure and stability of compact objects with numerical equations of state*

Volunteering

- Oct 2023 - Dec 2023 **Tribe Tampere**
Helped on the ongoing redesign of their website and setting up an email automation