

Jordan Zambrano

Physics Graduate

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Employment

Jun. 2022 - Sep. 2022	Research Assistant , Yachay Tech University. Developing opinion formation models and computational implementation in Complex Systems and Sociophysics. Supervised by Mario Cosenza PhD.
Nov. 2020 - Nov. 2021	Scientific Writer , Discience Ecuador, Writting blogs for company's webpage. Quito-Ecuador.

Education

2018 - 2023	BSc. Physics , Yachay Tech University. Project thesis: "Numerical Study of Hilltop Inflationary (HI) model. Supervised by Dr. Clara Rojas.
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Publications

September 2024	Pozo, D., Zambrano, J. , Villegas, I., Hernández-Jiménez, R., Rojas, C. Some inflationary models under the light of Planck 2018 results , Astroparticle Physics, 102977
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Talks

Posters and Workshop talks

July 2024	<i>Some inflationary models under the light of Planck 2018 results.</i> , Physics Without Frontiers ICTP-EPIC 4, UIDE.
August 2023	<i>Rise of an alternative majority against mass media in an opinion formation model</i> , NANOPHYS Day vol.2: From Nano to Astrophysics, Yachay Tech University.
July 2023	<i>Numerical Study of Hilltop Inflationary Model (HI) (In spanish)</i> AMV Phys at Yachay Tech, Yachay Tech University.

Grants and awards

July 2024	First Place Dorothy Coding Challenge, Epic 4, UIDE.
October 2023	Second Place ,Hackathon Co-Afina 2023 by LA-CoNGA physics.
February 2023	Academic Excellence Scholarship , awarded to students with an excellent academic performace, Yachay Tech University.

Conference organisation

October 2023	Minicurse on Statistical Physics of Complex Systems, Yachay Tech University.
August 2023	Complex Systems Summer School COSSY-YT, Yachay Tech University.
January 2023	Theoretical Physics, Astrophysics and Cosmology Symposium, Yachay Tech University.

Teaching responsibilities

June. 2023 - August. 2023	Physics for High School , for students in last year of high school, Unidad Educativa del Milenio "Yachay"
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Extracurricular activities

Nov. 2022 - Nov. 2023	Member of Directive Board Club of Theoretical Physics and Astrophysics, Yachay Tech University.
Sep. 2020 - Jan. 2021	Member of Organizing Committee Hult Prize at Yachay Tech.

Skills

Programming	Proficient: Python, MATLAB, Mathematica, Bash
Tools	Proficient: Machine Learning, Git, mpi4py, Parallel programming, Linux, HPC, Cobaya
Markup	Experienced: LaTeX
Languages	Proficient: English, Spanish