TOBÍAS CANAVESI

PhD Student

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PERSONAL PROFILE

I consider myself in love with mathematics and the Universe. I'm Lic. in Astronomy and finishing my Ph.D. in theoretical physics. Since I also love technology (particularly Artificial Intelligence) I did Data Science courses and also some personal projects. With them, I learned very valuable skills that, complemented with my academic formation, turned me into a versatile person, capable of adapting to any task or problem to solve. I enjoy working with people from different areas, as multidisciplinary collaboration is key to the advancement of society. Some of my hobbies are playing and collecting retro games, programming, reading, and thinking about the future.

ACTUAL POSITION

Postgraduate Assistant
Faculty of astronomical and geophysical sciences

📅 August 2018 – Ongoing   📍 La Plata, Argentina

- Teacher of the practical part of modern physics subject of the astronomy career.

PROJECTS

Vessel classification and clustering
Digital House and Aeroterra

📅 2021 - Ongoing

- Developer of a classification and clustering model for detecting Fishing Activity and fishing gear types Based on spatial-temporal vessel characteristics from AIS Data. https://github.com/tobiascanavesi

Instructor of the Wolfram Summer School 2021
Wolfram Research (United States)

📅 2021

- Working as a mentor at the Wolfram 2021 summer school. https://education.wolfram.com/summer-school

Wolfram Physics Project
Wolfram Research (United States)

📅 2020-2021

- Research Affiliate. http://wolframphysics.org

LANGUAGES

English   ●●●●○

Spanish   ●●●●●

MY LIFE PHILOSOPHY

"Every problem has a solution, although this solution is in another problem."

SKILLS

Work in group
Ability to work in a group, either leading or being part of it

Programming
Programming in different languages mainly in Mathematica and Python. Freelancing in data science and artificial intelligence topics

Data Science Skills
Data wrangling, Data Visualization, ability to understand a problem in depth in order to be able to use the appropriate machine learning tools.

TECHNICAL SKILLS

Skill	Level
Wolfram	●●●●●
Problem solving skills	●●●●●
Python	●●●●○
Pandas	●●●○○
Numpy	●●●○○
Sklearn	●●●○○
TensorFlow	●○○○○
SQL	●○○○○

EDUCATION

Ph.D. in Theoretical Physics
National University of La Plata

📅 April 2018 – Ongoing

Thesis title: The duality AdS/CFT and its application