

# TOBIÁS CANAVESI

## PhD Student

@ tobiascanavesi@gmail.com    +5491132531117    España 3554, apartment "3H", Vicente Lopez  
📍 Buenos Aires, Argentina    @ canavesitobias    tobiascanavesi    tobiascanavesi



## 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.

### Doctoral fellow

#### CONICET-IFLP

📅 April 2018 – Ongoing    📍 La Plata, Argentina

- Work in doctoral thesis in theoretical physics

## 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>

## PUBLICATIONS

### Journal Articles

- Argüelles, Carlos R. et al. (Oct. 2020). "Thermodynamic instabilities in holographic neutron stars at finite temperature". In: *Classical and Quantum Gravity* 37.20, 205002, p. 205002. DOI: 10.1088/1361-6382/abb1f5. arXiv: 1911.02554 [hep-th].

### Conference Proceedings

- Canavesi, T. (July 2020). "Fractal gravitation". In: vol. 61B, pp. 136–138. arXiv: 2008.00099 [astro-ph.GA].
- Canavesi, T. and S. Hurtado (July 2020). "Fractal dimension in star formation regions". In: vol. 61B, pp. 254–256.

## MY LIFE PHILOSOPHY

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

## SKILLS



### Solving problems

work on solving different problems and find the most appropriate way to solve them.



### 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.

## LANGUAGES

English



Spanish



Python



Wolfram Language



## EDUCATION

### Ph.D. in Theoretical Physics

#### National University of La Plata

📅 April 2018 – Ongoing

Thesis title: The duality AdS/CFT and its application

## REFEREES

### Dr. Xerxes Arsiwalla

@ Pompeu Fabra University

✉ [xerxes@wolfram.com](mailto:xerxes@wolfram.com)