TOBIAS CANAVESI

Data Scientist, PhD

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💼 tcanavesi 📍 https://tcanavesi.on.fleek.co/ (Personal Website)

PERSONAL PROFILE

I consider myself in love with mathematics and the Universe. I have a bachelor degree in Astronomy and I'm in the last month of my Ph.D. in theoretical physics. I also like technology (particularly Artificial Intelligence). I did Data Science courses and i have experience working in important projects across various industries. I'm a versatile person, capable of adapting to any task or problem to solve. I enjoy working with people from different areas because i think that 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

Senior Data Scientist

Heyday

📅 November 2021 – Ongoing   📍 United States, Remotely

- Create analytical solutions in SQL and Python to solve different needs.
- Elevate forecasting capabilities and accuracy by utilizing AI techniques.

Postgraduate professor

University of Buenos Aires

📅 May 2022 – Ongoing   📍 Buenos Aires, Argentina

- Postgraduate professor at the School of Engineering of the University of Buenos Aires, teaching the course Machine Learning I for the Artificial Intelligence Specialization Course (CEIA).

Postgraduate Assistant

Faculty of astronomical and geophysical sciences

📅 August 2018 – Ongoing   📍 La Plata, Argentina

- Chief of Practical Studies of modern physics subject of the astronomy degree.

LANGUAGES

English   ●●●●○

Spanish   ●●●●●

MY LIFE PHILOSOPHY

"Every problem has a solution, even if the 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 Python and Mathematica.

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 and deep learning tools. Segmentation, forecasting, regression and classification.

TECHNICAL SKILLS

- Python
- Wolfram
- SQL
- Problem solving skills
- Machine Learning
- Deep Learning
- Cloud

EDUCATION

Ph.D. in Theoretical Physics

National University of La Plata

📅 April 2018 – February 2023

Data Science

Digital House

📅 Mar 2021 – Sep 2021

Deep Learning Specialization

Deep Learning AI

📅 Jan 2022 – No expiration date

PREVIOUS POSITION

Specialist Data Scientist
Accenture

📅 Nov 2021 – Dec 2022   📍 Buenos Aires, Argentina

- Manage, architect and analyze big data in order to build data driven business insights and high impact data models to generate significant business value. Create models and processes to collect, distill and interpret data with a view to aid better, more informed decision making.

SELECT EXPERIENCE

Demand Forecasting
Airline Company (Chile)

📅 2022 - Ongoing

- Design, implementation and evaluation of machine learning models for time series forecasting.
- Forecast performance analysis comparing ML and time series models.
- Study on price elasticity of demand.

Simulation - Optimization
Mining Industry (Canada)

📅 2022

- Part of the team in charge of creating a simulation and optimization model for water treatment. (Databricks + Azure)
- Agile project management (Azure DevOps).

Optimization
Mining Industry (Chile)

📅 2022

- Creation of a water use optimization model. (Databricks + Azure)

Segmentation - Clustering
E-Commerce (LATAM)

📅 2022

- Definition of metrics and algorithms for retraining clustering models.
- Application of statistics to understand a better application of promotions.

Demand Forecasting
Drinks company (Chile)

📅 2021

- Design, implementation and evaluation of machine learning models for time series forecasting. (AWS - Sagemaker)
- Forecast performance analysis comparing ML and time series models. (AWS - Sagemaker)

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

CERTIFICATIONS

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
Deep Learning AI

📅 Apr 2022 – No expiration date

Structuring Machine Learning Projects
Deep Learning AI

📅 Apr 2022 – No expiration date

Neural Networks and Deep Learning
Deep Learning AI

📅 Apr 2022 – No expiration date

Convolutional Neural Networks
Deep Learning AI

📅 Apr 2022 – No expiration date

Sequence Models
Deep Learning AI

📅 Jun 2022 – No expiration date

Databases and SQL for Data Science with Python
Deep Learning AI

📅 Jul 2022 – No expiration date

Introduction to Machine Learning in Production
Deep Learning AI

📅 Jul 2022 – No expiration date

AWARDS

Thank you for being an AI Hero - Client Value Creation
Accenture

📅 Aug 2022

PUBLISHED RESEARCH

Scalar correlators and normal modes in holographic neutron stars
Classical and Quantum Gravity

📅 2022

Thermodynamic instabilities in holographic neutron stars at finite temperature
Classical and Quantum Gravity

📅 2020