



# AZUL NOGUERA

## Data Scientist

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## ABOUT ME

I am currently in my final year pursuing a Bachelor's degree in Digital Technology at Universidad Torcuato Di Tella. As a passionate and self-motivated Data Scientist, I excel in creating digital solutions thanks to a strong technical and multidisciplinary background. My skills as a developer are supported by my experience in machine learning, deep learning, and natural language processing, in addition to business knowledge. Motivated to advance in the field of artificial intelligence, I am seeking a dynamic remote role where I can contribute innovations and collaborate flexibly with global teams. I leverage my organizational and communication skills, as well as my commitment to continuous learning, to effectively contribute to the success of international projects and teams.

## EXPERIENCE

### Final Project - Universidad Torcuato Di Tella

jun 2024 - dec 2024

<https://github.com/azulnogueraa/Proyecto-PAP>

I developed an AI model for the detection and classification of pathologies in Pap smear samples, using the CRIC database. This project, in collaboration with Rivadavia Hospital, aims to enhance early detection of cervical pathologies by exploring more advanced models and comparing different detection and classification techniques to optimize performance.

### Image Classification with Deep Learning

oct 2023 - nov 2023

[https://github.com/azulnogueraa/Clasificacion\\_de\\_Imagenes\\_TD6](https://github.com/azulnogueraa/Clasificacion_de_Imagenes_TD6)

This project focused on developing an image classifier using the CIFAR-10 dataset. A series of experiments were conducted to explore various neural network configurations, including variations in the number of dense layers, nodes, and hidden layers. Additionally, experiments were performed to evaluate different optimizers, batch sizes, and regularization techniques, with the aim of identifying the most effective configuration.

### ML Model for Estimating Sales Conversions at MELI

may 2023 - jun 2023

[https://github.com/azulnogueraa/Prediccion\\_de\\_Conversion\\_IA](https://github.com/azulnogueraa/Prediccion_de_Conversion_IA)

I developed an advanced machine learning model to estimate the probability of sales conversions from user interactions with targeted digital ads for the prominent online retailer, Mercado Libre. The project involved an in-depth exploratory data analysis, sophisticated feature engineering, the setup of a robust validation dataset, and the implementation of advanced predictive models. Rigorous hyperparameter tuning techniques were applied to optimize model performance.

## EDUCATION

**Data Science** Torcuato Di Tella University (UTDT)

mar 2021 - jun 2025

**Data Science Student Exchange** Complutense University of Madrid (UCM)

jan 2024 - jul 2024

**Economics and Administration Highschool** Grilli Canning College

feb 2015 - nov 2020

### HARD SKILLS

Python (Pandas, Pytorch, sklearn, TensorFlow, Seaborn),  
JS, R, C++, C, PHP, XML, MongoDB,  
SQL, HTML, CSS, Unity, Zimpl

### SOFT SKILLS

Self-Motivation and Organization  
Effective Communication  
Analytical Thinking

### LANGUAGES

Spanish (Native)  
English (C2)  
Portuguese (B1)