



Ignacio Ordovás Pascual

DATA SCIENTIST

Artificial Intelligence &
Analytics (AIA)
Cognizant

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PROFILE SUMMARY

I'm a versatile data science consultant capable of helping clients to solve their problems creatively and handle complex databases to obtain precise, understandable and useful pieces of knowledge. Lately I've been involved in different Computer Vision projects using ML, DL and Azure resources.

My research work experience helps me apply skills like teamwork, working to deadlines, and communicating results and complex ideas effectively to a non-technical audience. I'm always curious to learn the latest techniques and new tools to solve customer needs.

Areas of expertise

- Advanced Python
- Natural Language Processing
- Azure Fundamentals (AZ-900 Certified)
- Azure ML
- Supervised/Unsupervised Machine Learning
- Statistics
- Data Wrangling
- Code versioning with Git

WORK EXPERIENCE

Cognizant

May 2021 - Present

Data Scientist - Associate

Automatization of trade transactions calibration and validation: Creation of a pipeline to automate the calibration and validation of client's transactions. Developing database connections and in a month provided a solution able to be run with a single call of a function. Created automatic logs and coded test scripts to ensure stability and maintainability of the solution.

Computer vision projects: Built different DL and ML solutions to detect defects in objects of interest. Collaborated with team members to create API endpoints that run the models and to put the solution in production. Deployed computer vision demos for different use cases in a web app in Azure using Docker and Streamlit.

Mentoring: Taught data science and computer vision concepts and applications to graduates.

Predoctoral Researcher

PhD research project to analyze spectroscopic data of Active Galactic Nuclei (AGN) to study their obscuration, intrinsic emission and classification. Analyzed datasets and created Python code and adapted others to detect emission lines or to measure best fitting models for big spectral datasets automatically. Planned numerical simulations to measure the nuclear obscuration of AGN and its emission properties.



Instituto de Física de Cantabria

Institute of Physics of
Cantabria (CSIC-UC)

January 2014 -
December 2019

EDUCATION DETAIL

Ironhack

Oct 2020 - Dec 2020

Data Analytics Bootcamp (Intensive course to learn machine learning, advanced python programming, database handling, Git, and other data science skills and tools)

University of Cantabria

Dec 2013 - Dec 2019

PhD in Science and Technology (Merit with distinction "Cum Laude")

University of La Laguna

Sep 2012 - Jul 2013
Sep 2005 - Sep 2012

Master's Degree in Astrophysics (Master Thesis: Applications of K-Means in astronomy)
Bachelor's Degree in Physics

COURSES & CERTIFICATIONS

- **Certification:** Azure Fundamentals (AZ-900)
- NLP, DL and Azure Udemy and Coursera MOOC courses.
- Azure Percept Bootcamp (IoT device in preview phase to deploy AI models).
- Specialization: Machine learning, Coursera MOOC.
- Courses and self-paced learning projects (<https://github.com/ordovas/>)