

## Leroy Deniz Pedreira

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Basque Country, Spain



## Objective

Getting a position in a company where I can increase my knowledge of development and machine learning, improving my skills in those disciplines.

## Skills

*Dev languages:* Python, Django/Flask, HTML/JS/CSS, PHP

*Data science:* Tensorflow, Keras, PyTorch, OpenCV, DEAP

*Azure suite:* Power Automate, Power BI, Power Apps, Azure Functions

*Infrastructure:* Dockers, Docker Compose, Linux, Airflow, Grafana, AWS

*Databases:* Postgresql, MySQL/MariaDB, Oracle, Clickhouse, MongoDB, Prometheus, Cassandra

*Management:* Moodle, WordPress, Jira, Redmine, Zabbix

*Languages:* Spanish (Native) - English (B2 Cambridge) - Italian (B1)

## Education

*Master's Degree in Computer Engineering [Currently]*

Faculty of Computer Science, Multimedia and Telecommunications

Universitat Oberta de Catalunya, Barcelona, Spain, 2025

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*Master's Degree in Data Science [Finished]*

Faculty of Computer Science, Multimedia and Telecommunications

Universitat Oberta de Catalunya, Barcelona, Spain, 2023

Final Master's Project: Improving underwater images through deep learning.

<http://hdl.handle.net/10609/150314>

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*Bachelor's Degree in Informatics Engineering, specialising in software engineering [Finished]*

Faculty of Computer Science

University of the Basque Country, Donostia-San Sebastián, Spain, 2021

Final Degree's Project: API for deep neural networks training evolved through genetic algorithms.

<http://hdl.handle.net/10810/53319>

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I have completed a significant number of development and data science courses, as well as specializations in project management.

Updated 05/2025

## Selected experience

### **Python developer & Product Manager**

2022 - now

*Telefónica, Madrid, Spain*

*Operations*

Leading comprehensive automation projects, with direct responsibility for developing advanced alarming and reporting systems within the Artificial Intelligence team of the Operations Division. Driving strategic technology solutions that enhance operational efficiency, monitoring capabilities, and responsive intelligence.

Tools & technologies: Python, Jira, Confluence, MS Azure, Power BI, Power Automate

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### **Full Stack engineer & Project Manager**

2021 - 2023

*StockFink, Oviedo, Spain*

*Development area*

Responsible for the development of Python applications based on AI algorithms for stock market prediction. Team lead of the development team.

Tools & technologies: Python, PHP, HTML, JS, CSS, Bootstrap, WordPress, Redmine, Linux

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### **IT Manager & Assistant professor**

2010 - 2020

*University of the Republic, Montevideo, Uruguay*

*Several faculties and departments*

Several positions in different services and faculties of the University, such as Professor at the Faculty of Engineering, IT Manager at the Education Pro-Rectorate, Consultant at the Faculty of Humanities and Educational Sciences, and Research Programmes Manager at the Sectorial Commission of Scientific Research (CSIC).

Tools & technologies: Python, MySQL, WordPress, Redmine, Linux

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### **Consultant**

2016 - 2020

*GDCD Group, Buenos Aires, Argentina*

*IT & Marketing*

External consultant by Volkswagen & Mercedes-Benz, responsible for web development projects using Python and API integrations.

Tools & technologies: Python, MySQL, WordPress, Jira, Linux

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