

Leroy Deniz Pedreira

mail@leroydeniz.com
www.leroydeniz.com
(+34) 669 987 109
linkedin.com/in/leroy-deniz
Basque Country, Spain



Skills

Dev languages: Python, Django, Flask, FastAPI, 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) - Italian (B1) - English (B2 Cambridge, currently preparing C1)

Education

Master's Degree in Computer Engineering [Currently]

Faculty of Computer Science, Multimedia and Telecommunications

Universitat Oberta de Catalunya, Barcelona, Spain, 2025

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>

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>

Scrum Master Certified & Product Owner Certified [Finished]

Scrum Manager®️, Barcelona, Spain, 2025

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

Selected experience

Head of Engineering Department - PMO

2025 - now

*SWAP Energía SA, Donostia-San Sebastián, Spain
Development, AI, DevOps & Automation Department*

Leading software development processes across various projects in a transversal manner, coordinating different teams to ensure deadlines and costs are met. I oversee the complete product lifecycle management, from functional analysis to final implementation, as well as planning deployments, versions, and deliverables.

Tools & technologies: Jira, AI models, Power Automate, Confluence

Product Manager & Automation Engineer

2022 - 2025

*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, Docker, Grafana, Airflow

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

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

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
