



# ADRIÁN BERGES ENFEDAQUE

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## EXPERIENCE

### Data Scientist

*Gradiant*

2021 – today (1 year & 5 months)

Vigo, Pontevedra

- Designed ML systems using a wide array of techniques, including XGBoost, VAEs and GRUs, or explainable models.
- Conducted data analytics on client data, communicated results and findings directly with clients.
- Provided clean datasets to teammates through a combined usage of SQL and Python.
- Utilized MLFlow to manage experiments, models and coordinate efforts with teammates, and helped implement MLOps within the company.

### Research Technician

*Centro Singular de Investigación en Tecnoloxías Intelixentes*

2019 – 2021 (1 year & 9 months)

Santiago de Compostela, A Coruña

- Utilized neural networks (with Keras and Tensorflow) to model industrial processes as a mid-level developer.
- Participated in the implementation of prescriptive analytics to control and automate the one part of the process.
- Experience in mentoring junior team members, uploading and maintaining models in client's machines and Hyperparameter tuning with a HPC cluster.
- Proficient in various neural network architectures and feature selection algorithms.

### ADAS Technician

*Centro Tecnológico de Automoción de Galicia*

2018 – 2019 (1 year & 2 months)

O Porriño, Pontevedra

- Developed custom LiDAR point cloud segmentation algorithm.
- Successfully improved sensor performance.
- Entry-level knowledge in multi-object tracking and sensor fusion using Kalman filters.
- Gained junior-level C++ programming expertise in the context of 3D Computer Vision algorithms.

### Junior Researcher

*Universidad de Zaragoza*

2015 – 2016 (1 year)

Zaragoza

- Implemented an algorithm in Matlab using dimensionality reduction techniques for a thermal-mechanical problem in a novel research setting as a junior.
- The implemented solution was orders of magnitude faster than commercial software.
- Worked under the guidance of mentors.
- Gained strong skills in Matlab, and understanding of how dimensionality reduction techniques can be applied to an industrial setting.

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EDUCATION
**MSc Industrial Mathematics***Universidade de Santiago de Compostela*

2016 – 2018

Santiago de Compostela

**BSc Mechanical Engineering***Universidad de Zaragoza*

2010 – 2015

Zaragoza

*Other education***Probabilistic Deep Learning with Tensorflow 2***Imperial College London via Coursera*

2020 – 2020 (5 weeks)

Online

**Machine Learning Engineering for Production (MLOps)***DeepLearning.AI via Coursera*

2021 – 2022 (16 weeks)

Online

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SKILLS
**Languages**

Spanish    Native

English    CEFRL C1 (CAE)

**Soft skills**

Communication    I'm accustomed to convey information to stakeholders.

Teamwork    Integrated my job in cross-functional teams.

Adaptability    Have worked in several domains and project settings, quickly building productive relationships with team members and clients.

Attention to detail    Very focused towards identifying and correcting errors and inconsistencies.

Methodic    Tend to approach tasks and projects in a systematic and organized manner.

**Technical skills**

Programming languages    Python, SQL, C++, Matlab

Data Science, ML &amp; AI    pandas, Tensorflow, scikit-learn, MLFlow, XGBoost, polars, UMAP, Pytorch

Databases    PostgreSQL, MySQL, DuckDB

Tools    git, JIRA, Emacs, L<sup>A</sup>T<sub>E</sub>X, pandoc