



## CONTACT

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📍 Valencia, Spain



Female - Spanish - 02/06/1994

## TECHNICAL SKILLS

- C, C++, Java, Python, SQL, Matlab
- Pytorch, Lightning, Hugging Face
- FastAPI, Git, Docker, GCP
- Jira, Confluence, Agile

## RESEARCHING

- 6 Scientific publications in top Journals and Conferences (link above)
- Attendance to 4 ML Summer Schools
- Attendance to Seminars/Conferences as speaker too

## AWARDS

- For the best trajectory in my Bachelor's degree (AITA-COIT 2017)
- For the best Bachelor's Degree Thesis (UMA 2016)
- End of studies award (UMA 2016)
- Global honour during my High School studies (Spanish Government 2012)

## LANGUAGES

- |           |                 |
|-----------|-----------------|
| • Spanish | Native          |
| • English | Proficient user |
| • French  | Basic user      |

Driving License: B 🚗

CrossFit athlete and Traveller ❤️

# Aurora Cobo Aguilera

## PhD in ML and Telecommunications Engineer

**Always teaching, always learning.** Artificial Intelligence passionate. Machine Learning (ML) Scientist with 9+ years of hands-on experience in Natural Language Processing (NLP), specialized in Transformers, LLMs, RAGs, heterogeneous data, and real-world ML system deployment. Proven expertise in model fine-tuning, large-scale data processing, data augmentation, and API development using modern frameworks.

## EXPERIENCE

### AI Research Scientist (09/23 - Current)

Genaios Safe

- **NLP** to make AI safer solving tasks like Fact-Checking, Text Re-use and AI content detection.
- SOTA exploration, dataset creation and curation, model training and evaluation.
- **Transformers, LLMs and Data generation.**
- Use of **Docker** and **API** development.

### AI and NLP Professor (09/21 - 05/25)

Universidad Europea/European Sport Business School/Iron Hack/BBVA

- Part-time collaborations during my career.
- **Transformers** and **LLMs** explanation and training examples in real-world applications
- Fundamentals of research, plagiarism and use of **AI** tools.
- Advanced **ML** (Gaussian processes, unsupervised models, clustering), **Deep Learning** (DL), **NLP** (regular expressions, embeddings, topic modeling) and **Prompt engineering.**
- Bachelor Degree and Master Degree students as well as disabilities students.
- Content creation and program leader.

### Professor for a Big Data program (11/22 - 07/23)

The Valley Digital Business School

- **Python, ML and Big Data.**
- **Data analytics** and **Business Intelligence** (KPIs, Dashboards, **QLik**, **Google Cloud**,...)

### Intern Data Scientist (06/21 - 11/21)

Huawei Ireland Research Center

- ML and **NLP** to solve real-world tasks in the AISafe team.
- Data processing, **data augmentation** and **classification.**
- Internship during my PhD

### Researcher and Teacher at University (10/16 - 01/23)

Universidad Carlos III de Madrid. Signal Theory and Com. Dept

- Research in ML, focused in **DL**, **Bayesian** approach and **NLP.**
- Teach in Telecommunications Engineering and Data Sciences Courses (Bachelor and Master).
- Job combined with my masters and PhD studies with two Spanish Government **grants** (FPU).

## EDUCATION AND TRAINING

### PhD in Machine Learning (09/18 - 12/22)

Universidad Carlos III de Madrid

- Probabilistic Models and Natural Language Processing in Health
- **Cum Laude**

### Internship about Probabilistic Models (07/17)

Stevens Institute of Technology / Columbia University (New York, USA)

### Master's Degree in Multimedia and Communications (09/16 - 07/18)

Universidad Carlos III de Madrid

- Thesis: Applying robust estimations for mini-batch sample selection in Deep Learning.
- Final grade: **9.23** (with **3 Honours**)

### Master's Degree in Telecommunications Engineering (09/16 - 07/18)

Universidad Carlos III de Madrid

- Thesis: The exploration of psychiatric profiles through latent variable models.
- Final grade: **8.85** (with **5 Honours**)

### Bachelor's Degree in Telecommunications Engineering (09/12 - 07/16)

Universidad de Málaga

- Thesis: Subwavelength dielectric structures for sensing applications in visible spectrum
- Final grade: **9.21** (with **24 Honours**)