



# Aurora Cobo Aguilera

**Date of birth:** 02/06/1994 | **Nationality:** Spanish | **Gender:** Female | **Phone number:**

(+34) 645975892 (Mobile) | **Email address:** [a.cobo.aguilera@gmail.com](mailto:a.cobo.aguilera@gmail.com) | **Website:**

<https://github.com/AuroraCoboAguilera> | **LinkedIn:**

<https://www.linkedin.com/in/aurora-cobo-aguilera-9a8823117/> | **Address:** Valencia, Spain (Home)

## ABOUT ME

Passionate of data analytics and AI models applied to real-world issues. I like combining my research job with professor tasks to teach to others and learn from them.

## WORK EXPERIENCE

01/09/2023 – CURRENT Valencia, Spain

**AI RESEARCH SCIENTIST** GENAIOS

AI and NLP for solving tasks like fact checking, plagiarism detection and AI content generation through LLMs. Developed whole research pipeline for these tasks with SOTA exploration, dataset creation and curation, model training and experimentation and evaluation. Some engineering tasks with the use of Docker and API development.

01/09/2024 – CURRENT Valencia, Spain

**PROFESSOR OF NLP COURSE IN AI MSC** UNIVERSIDAD EUROPEA

Transformers models and LLMs in different NLP tasks. Part-time collaboration.

01/12/2023 – CURRENT Valencia, Spain

**PROFESSOR OF AI RELATED RESEARCH IN BSC AND MSC** EUROPEAN SPORT BUSINESS SCHOOL

Fundamentals of research, plagiarism and the use of AI chatbots. Part-time collaboration.

01/11/2022 – 31/07/2023 Spain

**PROFESSOR IN BIG DATA NATIONAL PROJECTS** THE VALLEY DIGITAL BUSINESS SCHOOL

Teaching AI in all levels of academia. Python programming and Machine Learning modules. Introduction to Big data technologies, data analytics and business intelligence. Full time position.

01/06/2021 – 30/11/2021 Dublin, Ireland

**INTERN DATA SCIENTIST** HUAWEI IRELAND RESEARCH CENTER

Internship during my third year of PhD. Research in *Machine Learning* tasks, specifically *NLP*, in AISafe team. I focused in data processing, *data augmentation* and classification.

Manager: Tri Kurniawan Wijaya, [tri.kurniawan.wijaya@huawei.com](mailto:tri.kurniawan.wijaya@huawei.com)

01/09/2021 – 31/07/2023 Madrid, Spain

**PROFESSOR IN NLP AND ADVANCED ML COURSES** BBVA

**Machine Learning** courses given to BBVA employees, one in the field of **NLP** (text processing, regular expressions, embedding construction, clustering, classification and topic modelling) and another one in **Advanced ML** (Neural Networks, Gaussian processes, unsupervised deep learning and spectral clustering). Part-time collaboration.

Reference: Pablo Martínez Olmos, [olmos@tsc.uc3m.es](mailto:olmos@tsc.uc3m.es)

01/10/2016 – 15/01/2023 Madrid, Spain

**RESEARCHER AND TEACHER IN THE DEPARTMENT OF SIGNAL THEORY AND COMMUNICATIONS** UNIVERSIDAD CARLOS III DE MADRID (UC3M)

Researching in Machine Learning, focused in Deep Learning, Bayesian approach and NLP. During these years I have obtained 2 different scholarships, a FPU from Spanish Government and a Master studies help.

The teaching activities includes 6 Telecommunications Engineering and Data Sciences courses from BSCs and MSCs.

Advisor: Antonio Artés Rodríguez, [aartes@ing.uc3m.es](mailto:aartes@ing.uc3m.es)

● **EDUCATION AND TRAINING**

01/09/2018 – 15/12/2022 Madrid, Spain  
**PHD IN MACHINE LEARNING** Universidad Carlos III de Madrid

**Final grade** Cum Laude | **Level in EQF** EQF level 8 | **Thesis** Probabilistic Models and Natural Language Processing in Health

07/2017 New York, United States  
**INTERNSHIP IN MACHINE LEARNING** Stevens Institute of Technology and Columbia University

01/09/2016 – 26/07/2018 Madrid, Spain  
**MASTER'S DEGREE IN MULTIMEDIA AND COMMUNICATIONS** Universidad Carlos III de Madrid

**Website** <https://www.uc3m.es/master/tecnologias-avanzadas-comunicaciones> | **Final grade** 9.23 (with 3 Honours) | **Level in EQF** EQF level 7 |

**Type of credits** ECTS | **Number of credits** 60 | **Thesis** Applying robust estimations for mini-batch sample selection in deep learning

01/09/2016 – 12/07/2018 Madrid, Spain  
**MASTER'S DEGREE IN TELECOMMUNICATIONS ENGINEERING** Universidad Carlos III de Madrid

**Website** <https://www.uc3m.es/master/ingenieria-telecomunicacion#programa> | **Final grade** 8.85 (with 5 Honours) | **Level in EQF** EQF level 7 |

**Type of credits** ECTS | **Number of credits** 90 | **Thesis** The exploration of psychiatric profiles through latent variable models

01/09/2012 – 25/07/2016 Málaga, Spain  
**BACHELOR'S DEGREE OF TELECOMMUNICATION TECHNOLOGIES ENGINEERING** Universidad de Málaga

I received a **scholarship** from Spanish Government within a research project in the department of Communications in the field of **photonics**.

**Website** <https://www.uma.es/grado-en-ingenieria-de-tecnologias-de-telecomunicacion> | **Final grade** 9.21 (with 24 Honours) |

**Level in EQF** EQF level 6 | **Type of credits** ECTS | **Number of credits** 240 |

**Thesis** Subwavelength dielectric structures for sensing applications in visible spectrum

● **LANGUAGE SKILLS**

Mother tongue(s): **SPANISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1
<b>FRENCH</b>	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Artificial intelligence | Machine Learning | Deep learning | Natural Language Processing (NLP) | Computer Vision | Data Science | Python | Git | Docker | API | LaTeX | SQL | C | C++ | Matlab | Java

● **PUBLICATIONS**

2023  
[Regularizing transformers with deep probabilistic layers](#)

Aurora Cobo Aguilera, Pablo M-Olmos, Antonio Artés-Rodríguez, Fernando Pérez-Cruz. Neural Networks. Elsevier

2021  
[Disturbed sleep as a clinical marker of wish to die: a smartphone monitoring study over three months of observation](#)

Alejandro Porras-Segovia; Aurora Cobo; Isaac Díaz-Olivan; et al. Journal of affective disorders. Elsevier

2021  
[Patients at high risk of suicide before and during a COVID-19 lockdown: ecological momentary assessment study](#)

2021

**Psychiatric profiles of eHealth users evaluated using data mining techniques: cohort study JMIR mental health**

---

Jorge Lopez-castroman; Diana Abad-Tortosa; Aurora Cobo Aguilera; et al; JMIR Publications Inc

## ● **DRIVING LICENCE**

---

**Driving Licence:** B | 09/2012

## ● **CONFERENCES AND SEMINARS**

---

30/09/2023 – 30/09/2023 Milan, Italy

**Synapse AI Symposium**

---

**Link** <https://synapsesymposium.ai/>

28/09/2023 – 29/09/2023 Madrid

**EBMT - 15th Nurses Group Educational Meeting**

---

**Link** <https://www.ebmt.org/nurses-group>

09/09/2019 – 13/09/2019 Basel (Suiza)

**Machine Learning Frontiers in Precision Medicine**

---

**Link** <https://mlfpm.eu/1-summer-school/>

26/08/2019 – 06/09/2019 Skoltech, Moscú (Rusia)

**Machine Learning Summer School**

---

**Link** <https://smiles.skoltech.ru/mlss2019>

27/08/2018 – 07/09/2018 Universidad Autónoma, Madrid (España)

**Machine Learning Summer School**

---

**Link** <http://mlss.ii.uam.es/mlss2018/index.html>

25/06/2018 – 29/06/2018 École Polytechnique. Paris (Francia)

**Data Science Summer School**

---

**Link** <https://2018.ds3-datascience-polytechnique.fr/>

## ● **HONOURS AND AWARDS**

---

05/2017

**Award for the best trajectory in my Bachelor's degree – AITA-COIT, XV Night of Telecommunications**

---

09/2016

**Prize for the best Bachelor's degree Thesis – Universidad de Málaga**

---

09/2016

**Extraordinary end of studies award – Universidad de Málaga**

---

06/2012

**Global Honour during my High School Studies – Spanish Government**

---

## ● **HOBBIES AND INTERESTS**

---

### **Sport**

---

I am passionate about Crossfit and hard training. The same skills of demand and perseverance that I apply in my working life, I adopt in my sporting life. I like to take care of myself, eat well, feel agile and strong and be a functional and independent person.

### **Travel**

---

I have always adapted my situation to travel around the world in any way and I have even lived in a camper van during months. I like to learn from other cultures and discover new corners as a curious and adventure person. I prefer working remote to obtain the perfect balance between hobbies and work in life.