

# Wilber Bermeo Quito

DATA SCIENTIST · COMPUTER SCIENTIST

Girona, Spain

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"The best way to predict the future is to create it."

## About Me

I'm a Computer Science graduate with a specialization in Data Science and Machine Learning, bringing over three years of experience in IT solutions. I started as a Software Developer, but my passion for data-driven insights led me to focus on Machine Learning. Outside of my professional life, I stay active through physical activities and enjoy developing personal projects, such as video game development and blogging about math and technology.

## Education

### University of Girona

GIRONA, SPAIN

MSc. in Data Science 

Sep. 2023

- Studies focused on advanced skills in analyzing and deriving insights from data using statistical and machine learning methods.

### University of Girona

GIRONA, SPAIN

BEng. in Computer Science 

Jun. 2022

- I take pride in my accomplishment of attaining excellence in the final degree project, which entailed the creation of an open-source video game.

## Work Experience

### Citibeats

BARCELONA, SPAIN

Data Scientist

Sep. 2023 - Mar. 2024

- Developed topic modeling pipelines with large language models (LLMs) such as BERT and Sentence Transformers.
- Improved explainability using unsupervised learning techniques like clustering and model-based feature extraction.
- Conducted research and implemented rapid experiments, thoroughly documenting the process for reproducibility and results.
- Developed private Python libraries, created web-hook services, and deployed trained models in private repositories.
- Provided technical support for previous company projects, including fixing bugs, adding features, re-fitting and fine tuning models.

### University of Girona

GIRONA, SPAIN

Associate Assistant Professor

Feb. 2023 - Aug. 2023

- My responsibilities included overseeing lab sessions in order to instruct students in functional and logic programming, correct lab projects, and supervise exams.

### Accenture SL

GIRONA, SPAIN

Computer Vision Research

Dec. 2022 - Aug. 2023

- Developed and open-sourced a Computer-Aided Diagnosis (CAD) platform using Convolutional Neural Networks (CNNs) for detecting melanoma.

### Nexus Geographics

GIRONA, SPAIN

Data Engineer

Sep. 2021 - Sep. 2022

- Significantly contributed to the development of a concurrent framework designed to capture, map, and store data from diverse sources.
- Created and maintained API micro-services to ingest and serve data. Ensuring data consistency across multiple databases.
- Designed and developed interactive web applications to visualize on-demand and streaming data.
- Provided training to new team members on the primary technologies utilized in the projects and offered problem-solving support.

- Designed and developed a wide range of Restful APIs.
- Created interactive web applications for the healthcare sector, taking responsibility for building modules including authentication, hospital bed administration, external hospital services, and more.

## Tech Skills

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<b>Workflow</b>	Conda, Git, GitHub, Jupyter Notebook, Linux, Vim
<b>Frameworks</b>	Angular, FastAPI, Flask, Spring Boot, Svelte
<b>MLOps / DevOps</b>	Docker, GitHub Actions, MLflow, W&B
<b>ML &amp; Data Tools</b>	Hugging Face, Kafka, Pandas, PyTorch, Scikit-Learn, SQL
<b>Cloud Computing</b>	Amazon Web Services (AWS), Google Colab
<b>Programming Languages</b>	C++, Java, JS, Python, Shell Scripting, Scala, R

## Other Skills of Interest

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<b>Languages</b>	English (C1), Spanish (Native) and Catalan (Bilingual)
<b>Driver's License</b>	B


## Certificates


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2023	<b>Prevention &amp; Emergency Management</b> , <i>Co-funded by the Erasmus+ Programme of the European Union</i>
2022	<b>Spark and Python for Big Data with PySpark</b> , <i>Udemy</i>
2022	<b>Advanced Machine Learning</b> , <i>Kaggle</i>
2022	<b>Advanced SQL</b> , <i>Kaggle</i>
2021	<b>Advanced Functional Programming (FP)</b> , <i>University of Helsinki</i>

## References

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