

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

With more than three years of experience in IT solutions, I began my career as a Software Developer. However, I quickly transitioned to data-driven solutions, focusing on Machine Learning and statistical methods. I am also passionate about developing personal projects, including short posts, video game development, and engaging in physical sports whenever possible.

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, RoBERTa and Sentence Transformers. Implemented solutions to predict topic trends and anomalies using recurrent neural networks (RNNs) and long short-term memories (LSTM).
- Enhanced prediction explainability through clustering and additional trained models, providing deeper insights into the text data.
- 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, and re-fitting or fine tuning models.
- Conducted research and implemented rapid experiments, thoroughly documenting the process for reproducibility and results.

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

Programming Languages	Python, R, Haskell, Scala, Java, JS, C++, and more
ML & Data Tools	PyTorch, Scikit-Learn, Hugging Face, Pandas, SQL, Kafka, and more
MLOps / DevOps	MLFlow, W&B, Docker, GitHub Actions, and Git
Frameworks	FastAPI, Flask, Spring Boot, Svelte, Angular, and more
Workflow	Jupyter Notebook, Neovim, Linux, GitHub and GitLab
Cloud	AWS stack and Google Colab


Other Skills of Interest


Languages	English (C1), Spanish (Native), Catalan (Bilingual)
Driver's License	B


Certificates

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

References

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