Wilber **Bermeo Quito**

Data Scientist · Computer Scientist

Girona, Spain

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

Profile

Graduated Computer Scientist with four years of experience providing innovative solutions in Machine Learning, Data Engineering, and Software Development. My passion for teaching has also led me to conduct research at the University of Girona.

I am fluent in English, Spanish, and Catalan, and also I am highly skilled in a wide range of programming languages and tools.

In my free time, I enjoy sharing insights on my blog about personal projects and geek knowledge, while staying active through volleyball and hiking.

Education

University of Girona   Girona, Spain
MSc. in Data Science   Sep. 2023
- Advanced studies focused on statistical analysis, machine learning methods, and data-driven insights.

University of Girona   Girona, Spain
BEng. in Computer Science   Jun. 2022
- Achieved excellence in the final degree project by creating an open-source video game.

Experience

University of Girona   Girona, Spain
Adjunt Professor, *IMAE* Department   Sep. 2024 - now
- Led lab sessions and problem-solving sessions for the subjects: *Informàtica*, *Metodologia i Tecnologia de la Programació* and *Programació Declarativa and Aplicacions*.
- I created, expanded and corrected deliverable projects and tests. I also provided support and assistance to students.
- **Scala | C++ | Python | LaTeX**

Adjunt Professor, *IMAE* Department   Gen. 2023 - Jun. 2023
- Led lab sessions and problem-solving sessions for the subject: *Paradigmes de la Programació*.
- I created, expanded and corrected deliverable projects and tests. I also provided support and assistance to students.
- **Haskell | Prolog | LaTeX**

Citibeats   Barcelona, Spain
Data Scientist   Sep. 2023 - Mar. 2024
- Developed and deployed topic modeling pipelines with LLMs like BERT improving topic relevance recomendations.
- Worked on anomaly detection and forecasting projects using statistical methods and deep learning architectures such as RNNs and LSTM.
- Provided technical support for legacy projects, enhancing model performance through improved metrics and bug fixes.
- Increased the explainability of legacy models by utilizing clustering techniques and model-based feature extraction.
- Developed private Python libraries and web-hook services, deploying models in private repositories.
- Conducted rapid experiments, thoroughly documenting processes for reproducibility.
- **Python | PyTorch | Sklearn | Hugging Face | FastAPI | Docker | AWS | Google Colab | Git | MLflow**

Accenture SL
<div align="right">Girona, Spain</div>

Computer Vision Research
<div align="right">Dec. 2022 - Aug. 2023</div>

- Developed and open-sourced a CAD platform using CNNs for melanoma detection image based.

- **Python | PyTorch | Sklearn | Pandas | Albumentations | Docker | Svelte | Git | Markdown**

Nexus Geographics
<div align="right">Girona, Spain</div>

Data Engineer
<div align="right">Sep. 2021 - Sep. 2022</div>

- Contributed to the development of a concurrent framework for data capture, increasing efficiency by 200%.

- Created and maintained API micro-services, ensuring data consistency across multiple SQL and NoSQL databases.

- Designed and developed interactive web applications to visualize on-demand and streaming data.

- Trained new team members on key technologies, reducing onboarding time by 30%.

- **Java | Python | Scala | PySpark | Shell | Git | CI/CD | Docker | Kafka | SQL | Flask | Angular | Markdown**

NexTReT
<div align="right">Girona, Spain</div>

Software Engineer
<div align="right">Abr. 2020 - Sep. 2021</div>

- Designed and developed a wide range of Restful APIs.

- Built interactive web applications for healthcare, streamlining hospital operations and reducing manual entry by 150%.

- **Java | Python | JS | Shell | Git | CI/CD | SQL | Spring Boot | Angular**

Additional Information

Driver's License	Category B
Relocation Opt.	Open to relocation
Lenguistic Skills	English (C1), Spanish (Native), Catalan (Bilingual)

Certificates

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

References

Available upon request