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

Passionate Data Scientist with almost four years of experience in machine learning, data engineering, and software engineering. Proven expertise in developing and deploying AI models. Adept at working in dynamic team environments, contributing to cutting-edge AI projects.

I am fluent in English, Spanish, and Catalan, and highly skilled in a variety of programming languages and tools. In my free time, I enjoy posting on my blog about personal projects and geek knowledge, as well as participating in physical activities such as dancing and volleyball.

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
Associate Professor, Department of Computer Science Sep. 2024 - now

- Led labs instructing students on functional and object-oriented programming paradigms.
- Led labs instructing students on imperative programming paradigms.
- Created, expanded and corrected deliverable projects.
- Provided support and assistance to students.
- **Scala | C++ | Python | LaTeX**

Associate Professor, Department of Computer Science Gen. 2023 - Jun. 2023

- Led labs instructing students on functional and logic programming paradigms.
- Assisted in the development of exams and supervised their administration.
- Created, expanded, and corrected deliverable projects.
- 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
Girona, Spain

Computer Vision Research
Dec. 2022 - Aug. 2023

- 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
Girona, Spain

Data Engineer
Sep. 2021 - Sep. 2022

- 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
Girona, Spain

Software Engineer
Abr. 2020 - Sep. 2021

- 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