Wilber **Bermeo Quito**

Data Scientist · Machine Learning Expert · 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
MSc. in Data Science ⬈

Girona, Spain
Sep. 2023

- Advanced studies focused on statistical analysis, machine learning methods, and data-driven insights.

University of Girona
BEng. in Computer Science ⬈

Girona, Spain
Jun. 2022

- Achieved excellence in the final degree project by creating an open-source video game.

Work Experience

Univerity of Girona
Associate Professor, Department of Computer Science

Girona, Spain
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
Data Scientist

Barcelona, Spain
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.
- **PyTorch | Sklearn | Hugging Face | FastAPI | Docker | AWS | Google Colab | Git | MLflow | W&B | LaTeX**

Accenture SL

Computer Vision Research

Girona, Spain

Dec. 2022 - Aug. 2023

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

- **PyTorch | Sklearn | Pandas | Albumentations | Docker | Svelte | Git | GitHub | Markdown | LaTeX**

Nexus Geographics

Data Engineer

Girona, Spain

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

Software Engineer

Girona, Spain

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**

Tech Skills

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

Additional Information

Languages	English (C1), Spanish (Native), Catalan (Bilingual)
Driver's License	Category B
Relocation Feasibility	Flexible with relocation options

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

Prof. Dr. Mateu Villaret 🗗
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