Wilber **Bermeo Quito**

Data Scientist · Machine Learning Expert · Computer Scientist

Girona, Spain

🏠 wilberquito.github.io | 🐙 wilberquito | in wilberquito | ✉ typingwil@gmail.com | 📞 (+34) 698-40-53-59

"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, computer vision and software engineering. Proven expertise in developing and deploying AI models that drive data insights and enhance decision-making processes. 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 acquired 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.

Work Experience

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.
- **PyTorch | R | Scikit-Learn | Hugging Face | Pandas | FastAPI | Conda | Docker | AWS | Google Colab | Git | CI/CD | MLflow | W&B | Markdown | LaTeX**

University of Girona   Girona, Spain

Associate Assistant Professor · Temporary contract   Feb. 2023 - Aug. 2023

- Oversaw lab sessions, instructing students in functional and logic programming.
- **Prolog | Haskell | Git | GitHub | Markdown | LaTeX**

Accenture SL   Girona, Spain

Computer Vision Research · Temporary contract   Dec. 2022 - Aug. 2023

- Developed and open-sourced a CAD platform using CNNs for melanoma detection image based.
- **PyTorch | Scikit-Learn | Pandas | Albumentations | Docker | Svelte | Git | GitHub | Markdown | LaTeX**

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**

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
Commute Feasibility	Open to commuting

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 ⤴
Professor at University of Girona
mateu.villaret@udg.edu

Prof. Dr. Gustavo Patow ⤴
Professor at University of Girona
gustavo.patow@udg.edu

Quim Dalmau ⤴
Tech Lead at Citibeats
jdalmaut@gmail.com