Wilber B. Quito

Data Scientist · Computer Scientist

Girona, Spain

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

About

I take genuine pleasure in providing intelligent solutions, whether through general Artificial Intelligence or data-driven approaches with Machine Learning and/or Statistics. My interests lie in Natural Language, Computer Vision and Declarative Modeling.

Education

MSc. in Data Science ✎
University of Girona

Girona, Spain
Sep. 2022 - Sep. 2023

- Studies focused on advanced skills in analyzing and deriving insights from data using statistical and machine learning methods.

BEng. in Computer Science ✎
University of Girona

Girona, Spain
Sep 2017 - Jun. 2022

- Engineering degree recognized for its excellence by the Catalan Agency for Universities.
- I take pride in my accomplishment of attaining excellence in the final degree project, which entailed the creation of an open-source video game.

Experience

Data Scientist
Citibeats

Barcelona, Spain
Sep. 2023 - Mar. 2024

- Conducted topic modeling pipelines, anomaly detection events with explainability to comprehend phenomena within time series, and clustering solutions for the identification of relevant groups.
- Created private Python libraries, web-hook services, and deployed trained models in private registers.
- Provided technical support for previous company projects, i.e., fixing bugs, adding features, and re-fitting models.
- Researched and implemented fast experiments, documenting the process for reproducibility and its results.
- I was in charge of defining the working framework in the Data Science team, i.e., defining the tools for research, development and deployment.

Associate Assistant Professor
University of Girona, Department of Computer Science (IMAE)

Girona, Spain
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.
- Established a knowledge-sharing repository for students, which nowadays is being manteined as forked project.

Computer Vision Research (Intern)
Accenture SL

Girona, Spain
Dec. 2022 - Aug. 2023

- Created and open source CAD platform for detecting Melanoma based on Convolutional Neural Networks.

Data Engineer

Nexus Geographics

- Significantly contributed to the development of a concurrent framework designed to capture, map, and store data from diverse sources.

- Created and manteined API micro-services to injest and serve data.

- Ensured 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.

Software Engineer

Girona, Spain

SUNSET Technologies

Abr. 2020 - Sep. 2021

- 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.

Skills

Natural Languages	English *(C1)*, Spanish *(Native Speaker)*, Catalan *(Bilingual)*.
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 and Google Colab.

References

Prof. Dr. Mateu Villaret	Prof. Dr. Gustavo Patow	Quim Dalmau
Professor at University of Girona	Professor at University of Girona	Tech Lead at Citibeats
mateu.villaret@udg.edu	gustavo.patow@udg.edu	jdalmaut@gmail.com

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*