

Max Vilarasau Serra

max.vilarasau@gmail.com

linkedin.com/in/MaxVS

MaxVilarasau.com

github.com/MaxVilarasau

Experience

Bluecap Management Solutions

Associate

September 2025 – Current

Madrid, Spain

- Developing a risk-assessment algorithm for a leading Spanish bank to estimate business loan default probability and optimize lending decisions
- Incorporating Explicable Machine Learning techniques to design the pre-delinquency algorithm

Research Assistant

Analyst

February 2023 – June 2023

Barcelona, Spain

- Analyzed the soft skills of 1,496 adolescent students from Spanish and Portuguese schools; drew inferences employing Factor Analysis & Structural Equation Modeling

VML

Intern

June 2022 – July 2022

Barcelona, Spain

- Came up with a key idea for a successful zero-cost advertising campaign for a multinational

Education

Master of Science in Business Analytics – ICADE

Major in Machine Learning & Artificial Intelligence

October 2024 – July 2025

Madrid, Spain

- Honors (3): [1] AI & Reinforcement Learning – [2] Quantitative Finance – [3] Thesis
- GPA: 8.8/10.0

Bachelor in Global Studies & Management – Ramon Llull University

Major in Management & Digital Business

September 2020 – June 2024

Barcelona, Spain

- Honor (1): [1] Applied Statistics
- GPA: 7.1/10.0

Professional Degree in Classical Piano – Granados-Marshall Academy

Studied under Pianist and Prof. Xavier Ricarte

September 2016 – June 2020

Barcelona, Spain

Achievements

- Awarded Best Thesis during M.Sc. studies → tinyurl.com/DR4DRL
- Co-authored an article in a Q2 journal → doi.org/10.1016/j.explore.2023.07.008
- Jiu-Jitsu Blue Belt awarded by Robin Gracie; son of Hélio Gracie (founder of Brazilian Jiu-Jitsu)

Skills, Languages & More

- **Technical Skills:** Python (some libraries: NumPy; Pandas; SciKit-learn; Keras; Stable Baselines3...); Git; L^AT_EX
- **Industry Skills:** Machine Learning; Artificial Intelligence; Econometric Analysis; Financial Modeling
- **Languages:** English (native); Spanish (native); French (advanced); Russian (beginner)
- **Hobbies:** Classical Music; Strategy Board Games; Combat Sports
- **Sports:** Judo; Jiu-Jitsu; Grappling; Wrestling