

Max Vilarasau Serra

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Experience

Bluecap Management Consulting

Associate

September 2025 – Current

Madrid, Spain

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

Riedulab

Analyst

February 2023 – June 2023

Barcelona, Spain (5 months)

- Analyzed the soft skills of 1,496 adolescent students from Spanish and Portuguese schools

VML

Strategy Intern

June 2022 – July 2022

Barcelona, Spain (2 months)

- 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 (1 year)

- 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 (4 years)

- 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 (4 years)

Achievements

Awarded Best Thesis during my M.Sc. studies

July 2025

- Implemented Domain Randomization in Deep Reinforcement Learning for algorithmic trading, achieving higher returns by enhancing the model's generalization → tinyurl.com/DR4DRL

Madrid, Spain

Jiu-Jitsu Blue Belt under Robin Gracie

February 2024

- Jiu-Jitsu Blue Belt awarded by Robin Gracie, son of Hélio Gracie; founder of Brazilian Jiu-Jitsu

Barcelona, Spain

Co-authored a Scientific Publication on a Q2 Journal

July 2023

- Investigated the role that Emotional Intelligence played in Anomalous Cognitions through Structural Equation Modeling → doi.org/10.1016/j.explore.2023.07.008

Barcelona, Spain

Extracurricular Activities

Board Member & Reviewer at 'Anomalistics'

October 2024 – June 2025

- Reviewed the quantitative procedures; ensuring statistical and methodological soundness

Madrid, Spain (9 months)

Classical Pianist

July 2023

- Performed at the Isaac Albéniz Music Festival alongside other professional musicians

Camprodon, Spain

Piano Teacher

September 2020 – June 2024

- Taught elementary level students and amateur musicians in Classical Piano

Barcelona, Spain (4 years)

Skills, Languages & More

Tech Skills

Python
Linux/Unix
Git
LaTeX

Industry Skills

Machine Learning
Artificial Intelligence
Excel & PowerPoint
Econometric Analysis

Languages

Spanish (native)
English (native)
Catalan (native)
French (B2)

Hobbies & Interests

Classical Music
Classical Literature
Watch Manufacturing
Strategy Board Games

Sports

Judo
Jiu-Jitsu
Wrestling
Grappling