

# Max Vilarasau Serra

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## Experience

**Bluecap Management Consulting** (*strategy consulting boutique*)  
*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

**Reimagine Education** (*education transformation consultancy*)  
*Analyst*

February 2023 – June 2023  
*Barcelona, Spain* (5 months)

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

**VML** (*360 marketing consultancy*)  
*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 Communication & 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](https://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](https://doi.org/10.1016/j.explore.2023.07.008)

*Barcelona, Spain*

## Extracurricular Activities

**Board Member & Reviewer at 'Anomalistics'** (*journal of frontier science*)

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  
MS Office  
LaTeX  
Git

**Industry Skills**

Machine Learning  
Artificial Intelligence  
Econometric Analysis  
Financial Modeling

**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