

Álvaro Vilela Nova

alvarovilelanova@gmail.com ❖ +34 684015847 ❖ Madrid, Spain ❖ [Portfolio](#)
[LinkedIn](#)

EDUCATION

Complutense University of Madrid

September 2024

Master's Degree (M.Sc.), Big Data, Data Science & AI

Madrid, Spain

- Excellent scores (>9.0/10): SQL and NoSQL DBs, Python Programming, BI with Tableau, Statistics, Data Mining and Predictive Modeling, Machine Learning, Hadoop/Spark, Deep Learning.
- Completed projects related to machine learning and AI models, mostly related to data science. Worked with databases based on MySQL and MongoDB.
- Only remaining course is the final project, which will be presented in September 2024.

University of Extremadura

June 2024

Degree (B.Sc.), Mathematics

Badajoz, Spain

- Excellent scores and honors (>9.0/10): Statistics, Linear Algebra, Calculus, Computational Methods, Geometry, Computer Science, Machine Learning, Statistical Sampling, Linear Models, Riemannian Geometry, Time-Series Modeling, Complex Variables, Numerical Methods, Mathematical Statistics, Differential Equations, Advanced Topology.
- Member of the University's Debate Club where I was mentored by second-place in the 2013 and best speaker in the 2014 editions of CMUDE (World Championship of University Debate in Spanish) Gonzalo Alonso.

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Certificates of completion issued by Codecademy on JavaScript, HTML, CSS and Bootstrap.
- **Skills:** Native Spanish; Fluent English (C2); Python; Fortran; MATLAB; GNU Octave; JavaScript; R; HTML; CSS; Bootstrap; SQL; MongoDB; Tableau; Excel; Spark; Git; Hadoop & Hive; Machine Learning Algorithms; Neural Networks (RNN, CNN, Time series forecasting with neural networks); NLP; ETL Pipelines; REST APIs; Microsoft Azure Databricks; ML and AI libraries such as Keras, TensorFlow, PyTorch, Sklearn or SciPy.
- **Interests:** weightlifting; speedrunning; grand strategy games; philosophy.