

Francesco Maria Arezzo

✉ francescomariaarezzo@gmail.com ☎ +39 389 532 3636 🌐 Francesco Maria Arezzo

Education

Bocconi University - (Milan, Italy)

Sept 2024 - Present

BSc in Mathematical and Computing Sciences for AI

- **Key Coursework:** Algorithms & Data Structures, Linear Algebra, Probability, Statistics, Mathematical Analysis, Optimization, Machine Learning, Complex Analysis, Differential Geometry, Decision Theory and Metric Spaces, Physics I & II, Fundamentals of Economics.

IE University - (Madrid, Spain)

Spring 2027

Selected academic exchange, Artificial Intelligence faculty.

Liceo Scientifico Enrico Fermi - (Ragusa, Italy)

2024

Applied Sciences Track; final grade: 100/100 cum laude.

Honors and Awards

Italian National Register of Excellence

June 2024

Italian "Albo Nazionale delle Eccellenze".

Second place, Regional Physics Olympiad

2023

Eastern Sicily regional level.

Special Mention - "Fermi in Movimento"

2023

I.N.F.N. - National Institute of Nuclear Physics.

Selected Projects

Single-Cell Hypoxia Classification Pipeline (Python)

- Predicting hypoxia vs normoxia of cancer cells through gene expression.

Hypoxia Signature Scoring (Python)

- Scoring hypoxia-related gene signatures to validate biological alignment of model predictions.

Ames Housing Price Prediction (Python)

- Regression pipeline for house-price prediction with feature engineering, model comparison and XGBoost.

Market Sensitivity in S&P 500 Firms (Statistics)

- Statistical analysis of S&P 500 beta drivers using regression, BIC model selection and ANOVA.

Fermi in Movimento (Tracker)

- Kinematic analysis of sports gestures using Tracker.

Experience

APS Bank

Malta

Summer Intern

July 2026 - Present

- Banking internship with exposure to analytical work and financial processes.

Certifications and Languages

Cambridge English C1

July 2022

Cambridge International Education.

IELTS overall score 8

February 2026

English certification.

Languages: Italian (native), English (C1 / IELTS 8), Spanish (limited working).

Skills

Programming: Python, Git, Jupyter.

Libraries: NumPy, pandas, scikit-learn, matplotlib, XGBoost, SciPy.