Giulia Talà

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Based in Milan, Italy.

EDUCATION

B.s. Management Engineering September 2025
Politecnico di Milano
Liceo Scientifico Tradizionale Enrico Fermi June 2022

SKILLS

Programming Languages: C, Python, HTML, CSS, Javascript
Tools: Git/GitHub, VS Code, Office package, LaTeX, SQL
Frameworks:Wordpress, Django, React
Libraries: pandas, NumPy, Matplotlib, Keras, Scikit-learn, seaborn, Streamlit, Twelvedata

Languages: Brazilian Portuguese (native), Italian (native), English (C1), Spanish (A2)

PROJECTS

NASDAQ Correlations using RNNs | *Python, Keras, Matplotlib, pandas, numpy* December 2024
Market's Seasonality Website | *Python, Twelvedata, HighCharts* July 2024
Clustering in SP500 for portfolio diversification | *Python, Keras, Pyplot* December 2024
Freelancing Web Development | *Wordpress, HTML, CSS, Javascript, MySQL* November 2023-Present

EXPERIENCE

Head of Software Engineering at POLIMI Starting Finance Club | *Head* January 2024 – Present
Involved in the club and head of the Quantitative Finance division.

- Led the Quantitative Finance team as head of software engineering, overseeing project management and recruitment.
- Guided programmers towards high coding standards, ensuring fluidity and coherence across projects while maintaining code quality and implementing project management methodologies for timely project completion.
- Developed IT projects within a team using Git, GitHub, Agile methodologies, and CI/CD practices, enhancing collaboration and software development best practices.
- Utilized popular libraries for machine learning, quantitative finance, and data science; applied advanced data analysis and visualization techniques.

Winner of the ASSOSoftware AI Hackaton | *AI Programmer* October 2024
With a team of another 2 programmers, we won the ASSOSoftware AI Hackaton, about AI applications onto management systems software.

- Build a model for our application that aimed at being a tool to junior fund managers, helping them towards informed portfolio diversification decisions by using a dynamic warping clustering algorithm, sentiment analysis and stock prediction.

Second place at the GDSC AI Hackaton, fintech track | *AI Programmer* April 2024
With a team of another 3 programmers, we won second place at the Google Developers Student Club AI Hackaton, in the fintech track.

- Built a LLM for our application that aimed at guiding users towards resolving issues related to financial illiteracy by providing them with tailored learning roadmaps and a personalized bot capable of analysing your current financial situation and advising you on patterns behavioral trends.
- Coordinated the workflow and guided the implementation of a realistic business plan and POC required for presentation utilizing my knowledge as a management engineer.

Second place at the Alkemy AI Hackaton | *AI Programmer* September 2024
With a team of another 3 programmers, we won second place at the Alkemy AI Hackaton by building the best performing model for predicting customer likeability of new online product.

- Our solution involved leveraging the power of the XGBoost Classifier with deep data analysis, and the use of the SHAP library and statistical methods for feature importance.