

DONATO MARTINELLI

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Technical Skills

Programming Languages: Python, C++, Mathematica, MatLab

Courses and Certifications: Machine Learning with Python, Data Analysis with Python, Scientific Computing with Python, Programming with C++, Financial Machine Learning with Python

Experience

Quantitative Researcher - Riot Investment Society September 2023 - November 2024 /
Remote, Bologna, Italy

- Conducted historical data analysis using advanced statistical techniques and mathematical models to understand market dynamics.
 - Co-authored an article on Lévy processes in finance, focusing on the programming and computational implementation.
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Education

University of Basilicata, Potenza September 2023 - Present
Bachelor's in Mathematics

Relevant Courses: Mathematical Analysis 1 and 2, Abstract Algebra, Linear Algebra, Differential Geometry, Topology, Rational Mechanics.

University of Parma, Parma September 2020 - July 2022
Bachelor's in Economics and Finance

Relevant Courses: Microeconomics, Macroeconomics, History of Economic Thought, Financial Mathematics, Accounting and Financial Statements. Transferred before completing the degree to pursue a more quantitative/computational path.

Projects

MATEMATICA

- Archive of compiled PDF documentation for university mathematics lecture notes and examination materials.
- Source files are maintained in LaTeX and compiled continuously via GitHub Actions.

Mental Math

- An open-source environment dedicated to fast arithmetic and mental calculation.
- The project integrates notes, cheat sheets, and training software to convert calculation from a slow, mechanical process into a conditioned reflex.

Habit Tracker

- A minimalist, ultra-lightweight desktop habit tracker built with Vanilla JS and Tauri v2.

- Designed to run perfectly as a borderless, floating desktop widget on Windows, consuming almost zero RAM.

Other Experiences

Change The World Model United Nations November 2019 / Abu Dhabi, UAE

Participated and debated as a representative of Panama on economic and political issues in collaboration with NYU Abu Dhabi and the Italian Embassy in the UAE.

G20 Simulation at Rishikul Vidyapeeth September 2019 / Sonapat, India

Organized and coordinated a G20 simulation at Rishikul Vidyapeeth school with a team composed of winners from various MIUR projects (Futura Italia, National Digital School Plan).

Cultural Exchange with the Chinese Embassy August 2019 / Shanghai and Taishan, China

Discussed environmental policies in China with professors from high schools and universities in Taishan as part of a project organized by ETN.