MARCO MARINI

Computer Science Engineer

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ABOUT ME

It's a pleasure to introduce myself: I'm Marco. My expertise focuses on **Data Science**, **Data Engineering**, **Software Engineering**, but also covers **Computer Security**, and **IoT systems**. I'm currently on the lookout for an exciting and dynamic role in the AI and ML field, although I also have a keen interest in Software Engineering. I'm aware a single-page resume can only provide a glimpse, so feel free to explore my website for a more comprehensive understanding of my background and skills.

EXPERIENCE

Associate - Data & Analytics - AI & ML Engineer

PwC Italy

📅 Oct 2022 - now   📍 Milan, Citylife

- I managed **Big Data flows** for a financial client, from data **ingestion** to **scheduling** and data **transformation**, speeding up the build update time by approximately **50%** and significantly **reducing** both **computational costs** and **data storage space**.
- I developed a complex application that allows for the calculation and scheduling of risk indicators. I implemented the **backend** using **Python** and the **frontend** with **React**. This application integrates seamlessly with a **forecasting model** for these indicators, enabling the client to **anticipate market trends** and take **proactive** or **corrective** actions.
- I oversaw the development of a **clustering algorithm** designed to **identify users** with **anomalous permissions** within the client's database. This initiative resulted in **reducing the auditor's workload** by more than **fivefold** and significantly **improving** the **precision** of anomalous user detection.
- Hold several hours of lectures in a collaboration with **H-Farm**, **teaching** the fundamentals of **Machine Learning** and **Big Data**.

HARD SKILLS

- Great knowledge of the followings platforms: **Palantir Foundry, Oracle, GCP (Vertex AI, Big Query)**
- Great knowledge of the followings programming languages: **Python (PySpark, Pandas, Tensorflow, Scikit-Learn), SQL, C, Java, JavaScript**.
- Basic knowledge of the followings programming languages: **HTML, C++, Matlab, Typescript, React Framework, CSS**.
- Great knowledge of the followings IDE and software: **Visual Studio Code, IntelliJ, PyCharm, CLion, JupyterNotebook, StarUML, Google Colaboratory, Wireshark**.
- Obtained the following certifications: **Palantir Data Engineer, Palantir Data Scientist, Palantir Application Developer, Palantir Data Analyst, GCP Machine Learning Engineer (ongoing)**.

TOP 5 SOFT SKILLS

Problem Solving   Creativity   Team Work   Fast Learning   Listening

EDUCATION

Master's Degree in Computer Science and Engineering

Politecnico di Milano

📅 2020–2022   📍 Milan, p.za L. da Vinci

Language: English.
Thesis: *"Extracting information from Amazon Echo's Encrypted traffic using Machine Learning Techniques"*
Bachelor degree thesis: Online multiplayer videogame developed in **Java** (see repo here)

LANGUAGES

Italian	⬤⬤⬤⬤⬤	proficiency
English	⬤⬤⬤⬤◯	proficiency

HOBBIES

I am a passionate and curious guy who loves cultivating hobbies. In recent years, I have discovered a strong passion for **cooking**. I enjoy making pizza, panettone, and preparing **cocktails**. Additionally, I have a small collection of gins. As a true wine lover, I have achieved the first-level **sommelier** qualification. In my free time, there's nothing I enjoy more than **traveling**. I always bring my camera with me to capture beautiful places I visit (in 2015 I won Liliana Urtamonti **photography** contest with this shoot). Sports also play an important role in my life, I have participated in a variety of **sports** including skiing, soccer, paddle, beach volley and basketball.

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I hereby authorize the use of my personal data in accordance to the GDPR 679/16 - "European regulation on the protection of personal data".