Simone Zacchetti

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ABOUT ME

I am passionate about IT, science and technology in general, open to collaborating in teams and eager to expand my knowledge.

LANGUAGES

Italian - native
English - C1 (TOEIC)

EDUCATION

High School Diploma: Liceo Scientifico V. Benini, Italy — 100/100
Bachelor degree in computer engineering: Politecnico di Milano, Italy — 101/110
Master degree in computer engineering (Data Science): — in progress
Politecnico di Milano, Italy - Universidad Politécnica de Madrid, Spain

ON GOING STUDIES

I am enrolled in the **EIT Digital Master School**, specializing in **Data Science**, a double degree program promoted by European Union to form experts in the entire data management process, including ample opportunities to acquire business and entrepreneurial skills.

WORKING EXPERIENCE

Diagramma Srl

I contributed to the integration of AI features into the management software of the company specialized in applications for insurance companies and brokers.
Acquired skills: basis of Web Development with AI integration, prompt engineering and client interaction.

SP di Maddè Stefano

I contributed to the development of Fiscal Web 21, a management software for authorized laboratories performing periodic verification of cash registers.
Acquired skills: Python, Django framework, MVC architecture, basis of HTML, CSS and Javascript

PROJECTS, CHALLENGES & HACKTONS

Natural Language Processing: Used a recipe dataset to apply NLP techniques, from preprocessing to advanced models. Performed clustering, classification, and built a simple chatbot. Integrated LLMs, text-to-image, text-to-speech, and speech-to-text tools.

Artificial Neural Network & Deep Learning: projects focused on creating neural networks for image classification and time series forecasting.

AVEVA EcoTech Emerge: my team was selected among the top 10 out of more than 500 teams in a challenge that involved developing an idea for an innovative startup focused on sustainability that exploited the use of AI. we've developed FPS, our innovative Flood Prediction System that exploits data integration and AI to predict floods to save ecosystems and communities.

Recommender System: design of a recommender system for book recommendations.

GDSC AI HACK: AI Study is a web app designed to revolutionize learning by combining AI and proven cognitive tactics to ensure that the knowledge gained remains solid, promoting long-lasting and actionable understanding.

Eng.AI for Randstad: conception of a comprehensive platform to boost Work Engagement, enhancing workers wellbeing and overall company performance, exploiting AI and GenAI.

Algorithms and Data Structures: implementation of an efficient algorithm in terms of both time and space complexity.

Software Engineering: development of a board game through MVC architecture and client-server communication.

Hardware Design: implementation of a hardware component using VHDL language.

SKILLS

I have experience with **programming languages** such as C, Java, Python and its libraries (pandas, scikit-learn, tensorflow); knowledge of **database design**, with insights on **relational** and **NoSQL** databases.
I have experience with the design of AI solutions, designing and using pretrained AI models with tools like Huggingface, Tensorflow, Colab and Kaggle.
I am practical in the usage of programming softwares and versioning.
I have insights about management world, with focus on strategy & marketing, thanks to university course and challenges.