



David Marabottini

Vedi altri cv

Certificates

- ☆ PSM II - Professional Scrum Master II
- ☆ PSM I - Professional Scrum Master I

Hard skills

★ Machine learning

Apprendimento supervisionato
Apprendimento non supervisionato
Metamodelli
Gridsearch/randomizedsearch
Gestione dati sbilanciati

★ Data

Python
R
Notebook Jupyter
Machine Learning
Power Query
Power BI
Excel/Power pivot/DAX

★ database

SQL
SQL Oracle
MySQL
Ms SQL

★ frontend

JavaScript
TypeScript
React, Next.js
Redux/saga, redux toolkit
SEO, Web vitals, accessibilità
HTML5/CSS3
Bootstrap

PROFESSIONAL PROFILE

Senior Front-end Developer with a strong background in mathematics, data analysis, and machine learning. Experience in modern React/TypeScript architectures, performance optimization, and data-driven systems. Certified PSM I and PSM II, with solid SQL expertise.

Work experiences

Administrative Assistant

📅 MPL 📅 05/2025 - ongoing

Technical and logistical support and client acquisition for family business

Front-end Developer

📅 Key2Business 📅 06/2019-05/2025

Front-end development for enterprise web portals in banking, media, and retail sectors. Focus on performance, SEO, and React/Next.js architectures within Agile teams.

Technologies: Reactjs, Nextjs, Redux/saga/selectors, jest, storybook, AMP, SCSS, Typescript, Material UI, styled components, Recoil.

Methodologies: Scrum, Kanban, Waterfall

Tools: Visual Studio Code, Git, Jira, Jenkins.

Front-end Developer

📅 Blazar 📅 02/2018-05/2019

Front-end development on various management applications in banking and energy sectors within dynamic and often agile environments.

Technologies: React.js, SCSS, JavaScript

Methodologies: Scrum

Tools: Jira, Trello, Git, Gitlab, Visual Studio Code

PHP Developer

📅 JigGiga 📅 04/2017 - 12/2017

Development of a portal in PHP5, MySQL, JQuery, Bootstrap for managing black boxes for car fleets.

Technologies: PHP5, MySQL, JQuery, Bootstrap

Fullstack Developer

📅 Modis/Business Changers 📅 01/2016 - 04/2017

Frontend development, procedures, and algorithms for regional public funding application forms.

Technologies: JavaScript, Oracle V9, Apache FOP

SQL Expert and Reporting Specialist

📅 Runtime Solutions 📅 01/2015 - 10/2015

Creation of queries, reports, and layouts in Crystal Report based on SAP document platforms for various clients.

Technologies: Crystal Report, SQL Server, SAP

.NET Developer

📅 Crenway Srl 📅 07/2014 - 11/2014

Development and monitoring of the "Punti Petalo" startup portal.

Technologies: ASP.NET Framework, C#, JavaScript, SQL (MS SQL Server), LINQ, Web services, Visual Studio, Team Foundation, Team Explorer, Google Analytics, Windows Azure

Personal Projects

Web platform for scam reporting and detection

🔗 📅 12/2025 - ongoing

Web platform for spam email/SMS detection with React/TypeScript frontend and Python ML backend (Naive Bayes).

Technologies: React, TypeScript, Tanstack Query, SASS, Axios, Auth0, vitest, Python, Flask, scikit-learn, pandas, joblib.

[Frontend repository](#) - [Backend repository](#)

Hypercube Building Framework

🔗 📅 11/2025

Conceptual framework for team balance visualization and analysis.

[GitHub repository](#).

Machine Learning Study

🔗 📅 06/2025 - 08/2025

JQuery

★ **scrum**

Scrum

Suite Atlassian (Jira, Confluece ecc...)

★ **altro**

Pacchetto office 365

XSL-FO

figma, Miro

Soft skills

Teamwork

Problem solving

Lateral thinking

Languages

Italian

●●●●●●

English

●●●●●●

Advanced study of machine learning and data science in Python with predictive model development.

Libraries used: scikit-learn, imbalanced-learn, pandas, matplotlib, optuna.

[GitHub repository](#).

Education

Cybersecurity

📅 AKG 📅 21/10/2025 - 31/10/2025

Intensive course on cybersecurity principles, data protection, and digital threat defense.

Advanced Excel and Power BI

📅 AKG 📅 01/10/2025 - 20/10/2025

Advanced training in data analysis, automation, interactive dashboards, and modeling with DAX and Power Query.

Machine Learning and Data Science in Python: Complete Course

📅 Udemy 📅 06/2025 - 08/2025

Advanced training in predictive models, ML pipelines, and automated algorithm optimization.

English Lessons

📅 Preply 📅 02/2025 - ongoing

English conversation practice to improve fluency and professional communication.

Computer and Information Engineering (not completed)

📅 University of Siena 📅 2010 - 2013

Engineering studies focused on programming, software architectures, networks, and mathematical foundations.

Technical Diploma in Programming and Accounting

📅 ITCG CA Dalla Chiesa 📅 2009

Technical education in programming, SQL, applied mathematics, and business disciplines.

Modular CV Rendering Engine & CI/CD Pipeline

📅 09/2025 - ongoing

Modular XSLT/XSL-FO engine for automated PDF CV generation with multi-language, multi-profile and multi-template support and CI/CD.

[GitHub repository](#)

Theorem on Triangular Relationship Between Different Means

📅 09/2025

Proof of a mathematical relationship between arithmetic mean, standard deviation, and geometric mean.

Libraries used: Python sympy.

[Proof notebook](#).

Personal Conjecture on the Tower of Hanoi with p Pegs

📅 06/2025

Development of a mathematical conjecture for the generalization of the Tower of Hanoi with multiple pegs.

Skills and technologies used: Combinatorial analysis, pattern research, algorithms, Wolfram Alpha, JavaScript, numerical series analysis.

[Zenodo repository](#).