



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, Confluence ecc...)

★ altro

Pacchetto office 365

XSL-FO

figma, Miro

Soft skills

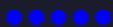
Teamwork

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](#).