

MARCO FERRARI

PERSONAL INFORMATION

DATE OF BIRTH 23/09/1994, Trieste (Italy).
ADDRESS Viale XXV Aprile 41, Muggia (TS), 34015, Italy
PHONE +39 347 46 20 589
EMAIL mferrari128@gmail.com
LINKEDIN [/in/mferrari128](https://in.linkedin.com/in/mferrari128)
SKYPE mferrari128



PROFILE

I am a determined, motivated, and a fast learner. During my academic experience, I developed a **scientific mindset** with which I can **methodically approach** engineering tasks. I have a keen interest in **computational methods**, **optimization algorithms**, and **artificial intelligence**. My solid theoretical background is combined with experience gained through traineeship and student projects.

CAREER OBJECTIVE

New graduate in Mechanical Engineering looking for a **R&D** position in an **innovative** company, interested in developing together **cutting-edge technologies** and methodologies to solve problems in an effective manner.

EDUCATION

SEPTEMBER 2017 – **Master's Degree in Mechanical Engineering**
APRIL 2020 University of Trieste, Italy.
Final marks: 110/110 summa cum laude.
Average exams marks: 29.83/30.
Thesis: "Development of a hybrid decision system based on domain knowledge and machine learning techniques".
Supervisors: Prof. D. Pozzetto and Eng. H. Kirchner.

SEPTEMBER 2013 – **Bachelor's Degree in Industrial Engineering**
MARCH 2017 University of Trieste, Italy.
Final marks: 107/110.

SEPTEMBER 2008 – **Technical High School Diploma**
JUNE 2013 Technical Institute A. Volta, Trieste, Italy.
Final marks: 100/100 summa cum laude.

WORK EXPERIENCE

SEPTEMBER 2019 – **Traineeship – product specialist**
FEBRUARY 2020 Cybertec S.r.l., Trieste, Italy.
Tasks: scripting, code reviews, technical writing, database queries.
Skills: code versioning, Agile development.

AWARDS

- SEPTEMBER 2017 **Talent Acquisition** scholarship sponsored by the University of Trieste as one of the best graduated students.
- NOVEMBER 2013 Scholarship sponsored by the Italian **Ministry of Education** to excellent high school graduates.

IT SKILLS

Excellent working ability with **Python** for **scientific computing**, (*numpy, pandas, scipy, matplotlib, plotly, seaborn*, etc.). Good knowledge of tools for the analysis and automated manipulation of data, and **machine learning** techniques (*scikit-learn*).

Good knowledge of **MATLAB** and **SQL**.

Academic experience with **CFX** and **Fluent** for CFD simulations, **SolidWorks** for 3D modelling and structural analysis. Familiarity with **modeFrontier** for the optimization and automation of the design process.

Excellent knowledge of the **MS Office** suite. Familiarity with **LaTeX**.

SOFT SKILLS

Problem solving attitude, propensity to collaboration, **team working** and peer tutoring, good priority management ability, capable of **communicating effectively**.

LANGUAGE SKILLS

Italian – Mother tongue.

English – Proficient. Comprehension C1*, Production B2*.

* Self-assessment based on Common European Framework of Reference for Languages ([CEFR](#)).

COURSES AND ACTIVITIES

Machine learning course @ [Coursera](#) • Soft skills summer school @ [EESTEC](#).

INTERESTS

Guitar • Music recording and editing • Basketball • Inclusive basketball • DIY.

PORTFOLIO

A repository containing relevant projects can be found on [GitHub](#). These concern **CFD** analysis, **optimization**, multi-criteria decision making, and **model-based** simulations.

In compliance with the GDPR and the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.