

ANDREA PROZZO

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Reggio Emilia, 43123



EDUCATION

Scientific High School, 2017

High School Diploma in Scientific Studies from "A. Romita" Institute in Campobasso. Participation in mathematics and literature competitions with satisfactory results. Comenius Project – cultural exchange in Budapest.

Management Engineering UNIMORE, 2019-2023

Bachelor's Degree in Management Engineering from the Department of Sciences and Methods for Engineering (DISMI), based in Reggio Emilia. Thesis: "Truck Driving Scheduling Problem with Risk Balancing Among Employed Drivers."

Digital Automation Engineering UNIMORE, 2024

Master's degree student in "Digital Automation Engineering," an English-taught program at the Department of Sciences and Methods for Engineering (DISMI), based in Reggio Emilia.

PROFESSIONAL EXPERIENCE

Internship | Tecnopolo, 12/2023 – 03/2024

Curricular internship at the Laboratory of Industrial Plant Design and Management of the Tecnopolo in Reggio Emilia. Experimental activity focused on thesis work.

Stage | ALTEN Italy, 05/2024 – 10/2024

Six-month experience at an IT consulting company based in Bologna. Held the role of Software Tester for a client's IT product, including writing tests based on client requirements, execution, and reporting. Gained familiarity with dedicated tools, databases (SQL), and the software lifecycle.

SKILL AND AREAS OF INTEREST

- Advanced knowledge of English, basic knowledge of Spanish.
- Data analysis and various Machine Learning and AI methodologies.
- AnyLogic: Process simulation, agent-based programming, and digital twin.
- Operations research and optimization: LP, ILP, MILP, and modeling using Python.
- JIRA for Software Testing. SQL and TOAD for databases.
- Basic proficiency in Python, MATLAB, Java, JavaScript, and HTML programming.
- Basic knowledge of Industrial and Collaborative Robotics.
- Microsoft Office (Word, Excel, Powerpoint). Strong team-working attitude and goal-oriented mindset.

A FEW WORDS ABOUT ME ...

I am deeply passionate about sports, I played football for many years and have also worked as a children's sports instructor, including in summer camps i once attended myself. I've worked extensively as a waiter, mainly during weddings and large events, taking on both physical labor and organizational/area management tasks. I have a strong connection with nature: i love skiing, hiking through woods, exploring rivers, and spending time in natural settings. In my free time, i enjoy reading and listening to talks and lectures on a wide range of topics, from physics and astronomy concepts to the political and social mysteries of Italy from the 1980s onwards. I chose to pursue engineering studies because i truly believe that any technological and social revolution must be rooted in competence and culture. I strongly believe that only through a genuine curiosity to learn, coupled with the sensitivity to avoid oppress others in this process of growth, can each person contribute meaningfully to a profound, modern, and digital transformation, while keeping the human being at its center.