

# 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.