

CURRICULUM VITAE

PRESENTATION

I am a management engineer with background in the field of *mathematical modeling* and *optimization*. During my academic path I have developed skills of rational analysis (vertical and horizontal) of reality as well as evaluation of the interventions on the same. However, I believe that possessing tools for the understanding of the surrounding world alone is not enough to keep pace with its rapid evolution. In this regard during the years of my education I have matured the aptitude to “*watch beyond*” and to anticipate problems.

EDUCATION

Nov 2020 – Today Phd student in Operations Research - *La Sapienza University of Rome, Italy*.
Research interests: Non Linear Optimization, Optimization Methods for Machine Learning, Optimization of a Supply Chain.

Sept 2018 – Oct 2020 Master’s Degree in Management Engineering, specialising in decisional models - *La Sapienza University of Rome, Italy*.
Thesis: *Local and global techniques for training of decision trees*
Speaker Prof. Stefano Lucidi.
Final score: 110/110 with honours.

Core courses: operational research, combinatorial optimization, continuous optimization, optimization methods for machine learning, optimization of complex systems, modeling and identification, games and equilibria, service systems and simulation, process management and mining.

Sept 2015 – Oct 2018 Bachelor in Management Engineering - *La Sapienza University of Rome, Italy*.
Final work: *Implementation of an optimization problem in AMPL*.
Final score: 110/110
Within the university course of Business Management, I have cultivated the interest in green policies by realizing a thesis on opportunities arising from corporate sustainability.

EXTRA-CURRICULAR COURSES

March 2018 Participation to Green Week, held in Trento.
Meetings with experts, training courses and exchanges of ideas on the theme of green economy (sustainability of enterprise, circular economy, etc.)

COMPUTER SKILLS

Python	Excellent
R	Excellent
AMPL	Good
Bizagi	Good
Microsoft-Office	Excellent
OS	iOS-Mac, Windows, Linux

LINGUISTIC SKILLS

Italian	Native
English	Cambridge certification in Advanced English, European Level C1
French	DELF certification, Level A2
Spanish	Intermediate



DAVIDE MEROLLA

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SOFT SKILLS

- ▶ Leadership
- ▶ Motivation
- ▶ Proactive attitude
- ▶ Listening skills and empathy
- ▶ Communication (public speaking)

PASSIONS & INTERESTS

Music

Study of classical guitar and music theory (solfège, harmony and composition) from the Master of the Conservatory Gianfranco Sordi.

Waterpolo

- ▶ 2013/2014 1st place in the FIN championship “Serie D”, semi-professional
- ▶ 2014/2015 season in the FIN championship “Serie C”, semi-professional
- ▶ 2015/2016 1st place in the FIN championship, amateur