



# Fabio Ciccarelli

**Nationality:** Italian | **Email address:** [f.ciccarelli@uniroma1.it](mailto:f.ciccarelli@uniroma1.it)

## ● WORK EXPERIENCE

### IT CONSULTANT – JESAP CONSULTING – 21/12/2022 – 09/2024 – ROME, ITALY

- Played a key role in establishing and launching the IT department, contributing to its inception and initial setup.
- Assisted in identifying and evaluating suitable tools for web app development and played a part in constructing a competitive business proposal.
- Expanded coding skills in Python, gained proficiency in database management, and acquired experience in cloud server management.

### HEAD OF IT – JESAP CONSULTING – 01/03/2023 – 15/08/2023 – ROME

- Led a team of 10 talented Sapienza University students, overseeing web app development, mathematical modeling, and other digital solutions for external clients.
- Managed projects and ensured their successful delivery.
- Conducted technical interviews and introduced new resources to the team.

### TUTOR - CALCULUS – SAPIENZA UNIVERSITY OF ROME – 30/09/2024 – 31/12/2024 – ROME, ITALY

Provided academic support to undergraduate students in Calculus I. Responsibilities included conducting supplementary lessons and tutorials, explaining key concepts, and assisting students in preparing for exams.

### TEACHING ASSISTANT – INTEGER PROGRAMMING AND COMBINATORIAL OPTIMIZATION – SAPIENZA UNIVERSITY OF ROME – 01/03/2024 – Current – ROME, ITALY

Supported teaching and exam activities for a graduate-level course on integer programming and combinatorial optimization. Assisted students with exercises, clarified theoretical concepts, and supervised them during the exams.

## ● EDUCATION AND TRAINING

01/10/2018 – 23/10/2021 Rome, Italy

### **BSC IN MANAGEMENT ENGINEERING (L-8)** Sapienza University of Rome

- SOrT (Guidance and Tutoring Service) scholarship holder for academic years 2019/2020 and 2020/2021 (selection based on a merit ranking).

**Website** [www.uniroma1.it](http://www.uniroma1.it) | **Final grade** 110/110 with honors |

**Thesis** Mixed integer linear programming formulations for the Nurse Rostering Problem

**Link** <https://drive.google.com/file/d/14S9i7N7acByZRJvMKomgs5usxKu3W9Wm/view?usp=sharing>

01/10/2021 – 27/10/2023 Rome, Italy

### **MSC IN MANAGEMENT ENGINEERING (LM-31)** Sapienza University of Rome

Operations Research and Optimization focused path. One of the other topics I studied is Machine Learning, both in the theoretical aspects and for the sake of efficient implementation.

- Sapienza honour path: I have been selected as one of the top 15 students in my course and attended seminars led by distinguished professors from European universities and experienced managers from prominent enterprises, gaining valuable insights on modern topics of debate.

- SOrT (Guidance and Tutoring Service) scholarship holder for the academic years 2021/2022 and 2022/2023 (selection based on a merit ranking).

**Website** [www.uniroma1.it](http://www.uniroma1.it) | **Final grade** 110/110 with honors |

**Thesis** Alternative Strategies for Train Dispatching Optimization: a study on the Paths&Cycles Algorithm

**Link** [https://drive.google.com/file/d/1cuY1ue63JRMv1CNFzPhC\\_UNAeubeT9TR/view?usp=sharing](https://drive.google.com/file/d/1cuY1ue63JRMv1CNFzPhC_UNAeubeT9TR/view?usp=sharing)

01/11/2023 – CURRENT Rome, Italy

**PHD PROGRAM IN AUTOMATIC CONTROL, BIOENGINEERING AND OPERATIONS RESEARCH** DIAG,  
Sapienza University of Rome

I am currently studying hard combinatorial problems under the supervision of prof. Fabio Furini. Currently, the main topic of our research involves modeling complex packing problems via efficient formulations and solving them using column generation techniques.

**Website** [https://www.diag.uniroma1.it/](http://www.diag.uniroma1.it/) | **Field of study** Operations Research

## ● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1
<b>SPANISH</b>	B1	B1	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● **SKILLS**

Linux | Microsoft Office | Git | SQL | C++ | Python | Google Suite

## ● **ADDITIONAL ACTIVITIES**

2018 – CURRENT

**Private lessons for university and high school students**

Private tutoring in mathematics and physics to high school students, as well as preparation for university entrance exams and academic exams in calculus, physics, coding, circuit theory and database systems.

*Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n.196 "Codice in materia di protezione dei dati personali"*