Fabio Ciccarelli

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WORK EXPERIENCE

21/12/2022 – CURRENT Rome, Italy
IT CONSULTANT JESAP CONSULTING

- 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.

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

- 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.

30/09/2024 – 31/12/2024 Rome, Italy
TUTOR - CALCULUS SAPIENZA UNIVERSITY OF ROME

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.

01/03/2024 – CURRENT Rome, Italy
TEACHING ASSISTANT – INTEGER PROGRAMMING AND COMBINATORIAL OPTIMIZATION SAPIENZA UNIVERSITY OF ROME

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 │ **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 | **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

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/ | **Field of study** Operations Research

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
SPANISH	B1	B1	A2	A2	A2

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

DIGITAL SKILLS

Microsoft Office | Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Linux (Command line, user level and os knowledge) | 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.