



## Dario Palasgo

📍 Spinea (VE), Italy

✉ dario.palasgo@gmail.com

Born 10 March 1998

### EDUCATION

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2022 – Today

#### PhD in Information Engineering Curriculum: Science and Technology of Information

University of Padova, Italy

I specialize in **Operations Research** and I study algorithms for problems on graphs related to logistics and transportation.

Supervisor: Roberto Roberti

Co-Supervisor: Matteo Fischetti

2020 – 2022

#### Master's degree in Computer Engineering Curriculum: High Performance and Big Data

University of Padova, Italy

Grade: 110/110, with Honors

Graduation date: 07/09/2022

Language: **English**

This curriculum was specialized in algorithms and systems architectures for compute-intensive applications and big-data analysis.

For more information check this **certification**.

I focused on **Operations Research** and attended the following courses:

- Operations Research 1 (Prof. Matteo Fischetti, grade 30/30)
- Artificial Intelligence (Prof. Maria Silvia Pini, grade 30L/30)
- Advanced Algorithm Design (Prof. Geppino Pucci, grade 30L/30)
- Game Theory (Prof. Elvina Gindullina, grade 30L/30)
- Operations Research 2 (Prof. Matteo Fischetti, grade 30L/30)

Thesis title: Algorithms for solving the Profitable Tour Problem with Time Windows

Thesis supervisor: Roberto Roberti

2017 – 2020

#### Bachelor's degree in Computer Engineering

University of Padova, Italy

Grade: 110/110, with Honors

Graduation date: 15/07/2020

Language: Italian

This degree granted me the physical-mathematical basis which are necessary in the engineering field, and it enlarged my knowledge in the Computer Engineering field.

For more information check this **certification**.

I focused on **Operations Research** and attended the course Models and Software for Discrete Optimization (Prof. Domenico Salvagnin, grade 30/30).

Thesis title: Esperimenti di programmazione lineare intera per problemi di maximum independent set

Thesis supervisor: Domenico Salvagnin

2012 – 2017

#### High School Diploma in Liceo Scientifico Scienze Applicate

Istituto di Istruzione Superiore Statale "Ettore Majorana - Elena Corner", Mirano (VE), Italy

Grade: 97/100

## TEACHING

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2023 – 2024

### Teaching assistant

Teaching assistant for the course Optimization Models and Algorithms in the Master's degree in Automation Engineering at **University of Bologna**, Italy, AY 2023/2024.

Course Professor: Valentina Cacchiani

2020 – 2022

### Formative Tutoring

**Student Tutor** for Formative Tutoring in **AY 2020/2021 and 2021/2022** at University of Padova.

Formative Tutoring aims at providing support to first-year students. It helps to develop numerous Soft Skills such as teamwork, effective communication, and public speaking. For more information check this **certification**.

## ACADEMIC ACTIVITIES

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### International conferences

- ODS 2023, Ischia, Italy, 04-07/09/2023  
Presentation title: Algorithms for the Pickup and Delivery Problem with Time Windows and Last-in-First-out Loading  
Authors: Dario Palasgo (speaker), Roberto Roberti, Matteo Fischetti

### Workshops

- Winter School on Network Optimization (netopt) 2024, Estoril, Portugal, 05-09/02/2024
- AIRO Young Workshop 2024, Rende, Italy, 14-16/02/2024  
Presentation title: Column Generation Algorithms for the Pickup and Delivery Problem with Time Windows and Last-in-First-out Loading  
Authors: Dario Palasgo (speaker), Matteo Fischetti, Roberto Roberti
- AIRO Young Workshop 2023, Milan, Italy, 15-17/02/2023  
Presentation title: Algorithms for the Pickup and Delivery Problem with Time Windows and Last-in-First-out Loading  
Authors: Dario Palasgo (speaker), Roberto Roberti, Matteo Fischetti

### PhD courses

- Robust Optimization (Politecnico di Milano, Prof. Erick Delage)
- Heuristics for Mathematical Optimization (University of Padova, Prof. Domenico Salvagnin)
- Stochastic Dynamic Programming (Politecnico di Milano, Prof. Justin Goodson)
- Advanced topics in scientific and parallel programming with application to the CAPRI HPC infrastructure (University of Padova, Prof. Giacomo Baruzzo)
- Python Programming for Data Science and Engineering (University of Padova, Prof. Stefano Tortora)

### Memberships

- AIRO (Italian Association of Operations Research) member since 2023
- AIRO Young member since 2023

## GRANTS AND AWARDS

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### PhD scholarship

Winner of a PhD scholarship founded by the University of Padova, starting in AY 2022/2023.

### Mille e una lode

Winner of "Mille e una lode" award, **edition 2019 and 2020**, at University of Padova. Every year, the University of Padova offers 1000 merit-based awards to excellent students (about 3% in each degree program).

## WORK EXPERIENCE

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2018 – 2022

### Tennis Referee Judge (regional)

During my studies, in the summer, I worked as an official Tennis Referee Judge for the Italian Tennis Federation.

As Regional Referee, I was in charge of official competitions authorized by the Federation; I carried out tasks including the compilation of the scoreboards, the scheduling of the matches, and their supervision.

## SKILLS

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Programming languages	<ul style="list-style-type: none"><li>• C   Python   Java   R   SQL   HTML</li></ul>
Technical skills	<ul style="list-style-type: none"><li>• Gurobi and IBM ILOG Cplex</li><li>• MPI and OpenMP (C)</li><li>• Singularity</li><li>• Writing documents with <math>\LaTeX</math></li><li>• Apache Spark (Java)</li><li>• TensorFlow and Keras (Python)</li></ul>
Soft skills	<ul style="list-style-type: none"><li>• Completion of the Communication and Soft Skills Laboratory - AY 2020/2021 at the University of Padova. For more information check this <b>certification</b>.</li><li>• Public speaking, teamwork and team management, effective communication and listening, enterprising spirit, hardworking.</li></ul>
Languages	<ul style="list-style-type: none"><li>• Italian: mother tongue</li><li>• English: B2 (Cambridge FCE in 2016)</li><li>• French: basic knowledge</li></ul>
Other	<ul style="list-style-type: none"><li>• European driving license B</li></ul>

## ADDITIONAL ACTIVITIES

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Cavalcalupi Association	Member since 2017 and member of the Board of Directors from 2020 to 2022. The Cavalcalupi Association is a ludic and cultural association based on role play. It organizes weekly play activities, and it is active in the Venetian territory taking part in various events. In addition to the ludic scope, the Association has an important social objective, as it aims at encouraging people to meet and interact.
Sport	During my studies, I played Tennis at a competitive level.

*I authorize the processing of my personal data according to Italian Legislative Decree 101/2018 and art. 13 GDPR (EU Regulation 2016/679) for the purposes of personnel research and selection.*