Carlo Buccisano
Curriculum Vitae

✉ *cbuccisano.work@pm.me*
🌐 *carlobuccisano.github.io*
⌨ *carlobuccisano*
in *carlobuccisano*
Italian, English, French and (some) Spanish

PhD in pure mathematics looking for Data Science industry roles.

Work Experience

2024–2025 **Research and Teaching Assistant (ATER)**, *Université Paris-Saclay (Orsay)*
Teaching 192 hours of undergraduate courses in French: analysis, linear algebra and geometry.
Soft skills: communication and leadership.

2021–2025 **Ph.D. in Mathematics**, *Université Paris-Saclay (Orsay)*
- I led research in derived algebraic geometry, a subject mixing algebraic geometry with modern homotopy theory techniques, where I used derived D-modules to connect several concepts in the literature. My thesis can be found on HAL and on arXiv.
- I co-organized the GAeL XXIX conference, that brought more than 100 people to Orsay.
- I gave several public research talks and poster presentations to audiences of different backgrounds.
Soft skills: time management, communication and problem solving.

July 2015 **Computer Programmer**, *IBM*, UK
- I worked paired with another colleague, part of a team of 5.
- I developed and documented some APIs of an internal planner tool in Python.
- Prize by the Bank of Italy for the study of Maths and Computer Science.
Soft skills: teamwork and project management.

Technical Skills

Familiar HTML, CSS, JavaScript (I coded my webpage)
`git`, Docker (I self-host several apps on my server)

Proficient `C++`, `Python` (competitive programming), Linux Bash scripting, LaTeX

Education

2021–2025 **Ph.D. in Mathematics**, *Université Paris-Saclay (Orsay)*

2016–2022 **Galileian Diploma**, *Scuola Galileiana di Studi Superiori, Padova (Italy)*
Graduated from Scuola Galileiana, an honors college in Padova (7% admission rate).
Relevant courses: Machine Learning, Concurrent Java programming and game theory.

2019–2021 **M.Sc. in Mathematics**, *Università degli Studi di Padova & Université Paris-Saclay*
Graduated with maximum honors from Algant double degree, first year in Padova (30/30) then in Orsay (18.7/20). I was awarded a 10.000 € scholarship from FMJH.

2016–2019 **B.Sc. in Mathematics**, *Università degli Studi di Padova*
GPA: 29.965/30; *110/110 cum laude* (maximum honors).

Awards

2013–2015 **Medals in Italian Maths and Informatics Olympiads**
I obtained two gold (an absolute third and first place) and one bronze medals in Italian Informatics Olympiads, and one silver medal in Italian Mathematical Olympiads.
Skills: work under pressure, data structures and algorithms.

2013–2015 **Competitive Programming**
Participated in online competitions such as Google Code Jam, HashCode, Codeforces, USACO.