

**Date of birth:** 11 September 1997

**Nationality:** French

**Email address :** mblanc (at) crans (dot) org

## Education

**2022-:** PhD student under the supervision of Nathalie Aubrun (LISN) and Olivier Bournez (LIX).

Prospective defense date : June 2025.

**2021-2022:** Master's degree in fundamental computer science (M2 "Master Parisien de Recherche en Informatique").

**2020-2021:** Preparatory classes for "Agrégation de mathématiques" at ENS Paris-Saclay.

**2019-2020:** Master's degree in fundamental computer science (M1 "Voie Jacques Herbrand") in ENS Paris-Saclay.

**2017-2019:** Bachelor's degree in fundamental computer science (L3) at ENS Cachan.

**2015-2017:** Preparatory classes (intensive program to prepare examinations to enter in leading French "Grandes Écoles") MPSI and MP at Lycée Montaigne in Bordeaux.

**2015:** High-school diploma at Lycée de l'Image et du Son d'Angoulême.

## Work Experiences and Internships

**March 2022-August 2022:** Internship with Olivier Bournez at École Polytechnique, France.

**Subject:** Complexity theory with Discrete Differential Equations/Finite differences

**2021-2022:** Supervision of mathematics oral examinations in Lycée Lakanal for MPSI students.

**February 2020 - August 2020:** Internship with Kristoffer Arnsfelt Hansen in Århus Universitet, Denmark.

**Subject:** Computational Complexity in Game Theory: Multi-player games, Equilibria, and Fixed Points

**Summer 2019:** Internship with Pascal Fontaine in Université de Nancy, France.

**Subject:** Subtropical methods and non-linear arithmetic for SMT

**2018-2019:** I worked at the university library in ENS Cachan, as a librarian.

**Summer 2018:** Internship with Hugo Gimbert in Université de Bordeaux, France.

**Subject:** Strategic Manipulability of Matching Algorithms

**2017-2018:** Supervision of high-school students in mathematics and physics at INSEP, France.

## Others

**Reviews :** I did reviews in Computability in Europe 2023 and Unconventional Computability and Natural Computability 2024.

**Administration :** I handle and organise the AICo seminar.

## Languages

- French (native)
- English (C2)
- Spanish (B2)
- Danish (B2)

## Miscellaneous

I have practiced ballet and music for many years, and latin dances such that salsa for a few years, I really like art in general.

I am also passionate about astrophysics and marine biology.