ANNA BLANCO CABANILLAS

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Barcelona, Spain 📍

Academic Background

2022 – (2023) – Master's degree in Advanced Mathematics
p-adic geometry and representations
at the École Normale Supérieur de Lyon
Thesis with Otmar Venjakob: Solid modules in Iwasawa theory.

2016 - 2022 –Bachelor's degree in Mathematics (240 ECTS)
at the University of Barcelona
Thesis available at http://diposit.ub.edu/dspace/handle/2445/186255

2016 - 2022 – Bachelor's degree in Physics (240 ECTS)
at the University of Barcelona

2014-2016 – French-Spanish Highschool (Batxibac)
Lycée Français de Gavà Bon Soleil

Academic Works

2022 – Undergraduate thesis in Mathematics
p-adic Groups in Quantum Mechanics
Maximum grade obtained with Honors

Conferences and Internships

February 2023 – Conference "Number theory meets p-adic representations" at Münster

25th-29th July 2022 – "*Geometry, Representation Theory, and Physics*" Workshop Barcelona 2022.
Main organizer and speaker.
https://grpworkshop.github.io/Barcelona2022/

July 2022 – Barcelona Introduction to Mathematical Research - CRM
Project. Construction of plane Cremona maps

2019 – International conference ICPS Colonia 2019

2016 – TEDx Youth Talk. *Do asteroids threaten life on Earth?*
2016 – International conference LIYSF
2014 – Selection National Program Joves I Ciència
Exoplanet, asteroids, and gravitational lenses

Languages

Catalan and Spanish – *Native*

French – *Proficient*
DALF/C1 certificate

English – *Proficient*
8.0 IELTS – C1
German – Basic
(6 months lived in Germany by October)

Academic Interests

Iwasawa theory

Condensed Mathematics

Galois Representation

Smooth representations

Skills

Programming – *C, C++, and Python*

Public Speaking – Talks (specialized and non-specialized), *poster presentations, organization of online seminars*

Graphic design – *Photoshop, video & audio editing*

Personal Interests

- Drawing and Painting
- Piano & Guitar
- Gymnastics and dance

📷 https://www.instagram.com/annablancocabanillas/