

F. Javier Rodríguez Martínez

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🌐 Web version of my resume

🎓 Education

Universitat Politècnica de Catalunya (UPC)

Degree in Mathematics

2021 – 2025

Barcelona, Spain

Universitat Politècnica de Catalunya (MESIO UPC-UB Summer School)

Course “Applied Machine learning to solve real life problems”

July 2023

Barcelona, Spain

La Farga

Spanish Baccalaureate, graduated with honors

2019 – 2021

Sant Cugat del Vallès, Spain

🔬 Experience/Programs and grants

Youth and Science (Fundació Catalunya La Pedrera)

Molecular Biology program and grant

June 2019 – September 2022

- Participated at the programme Youth and Science, managed by Fundació Catalunya La Pedrera. A three-year programme to encourage scientific vocations of 50 young talented people with a drive to research.
- Funded to participate in LIYSF and “Introduction to image compression” programs

London International Youth Science Forum (LIYSF)

Attendant to the Forum

August 2022

London, UK

- A 15-day science program held at Imperial College London and Royal Geographical Society with participants from more than 70 countries. Lectures in a variety of science-related topics and visits such as University of Oxford Nuffield Department of Clinical Neurosciences.

Institut de Ciències Fotòniques (ICFO)

“Introduction to image compression” course

July 2021

Castelldefels, Spain

- A two week course on image compression algorithms in Matlab and information theory held at ICFO in the Theoretical Quantum Nano-Photonics Group.

Universitat Internacional de Catalunya (UIC)

Lab Assistant in Laboratory of Basic Science

September. 2019 – November 2020

Sant Cugat del Vallès, Spain

- Developed a molecular biology research project parallel to one of the groups in the laboratory.

🧪 Projects and awards

- Won the subcategory Facultat de Matemàtiques i Estadística (FME-UPC) prize in a [competition](#) of **mathematical education videos** organized by Numerical Factory. ([Video](#))
- Classified for the **Spanish Biology Olympiad** (2021)
- Classified for the Spanish **European Youth Parliament (EYP)** as Wildcard (2021)
- Classified 2 times for the Spanish phase of the **robotics tournament** [First Lego League](#) .

👥 Volunteering

Judge in local robotics competition

Worked as a judge and organizer in robotics competitions held in my school.

Elderly and poor care

Volunteer in elder home at Sant Cugat visiting the residents. Participated in a Christmas Food Collection in my school and the later delivery to people in need at Raval, Barcelona.

⚙️ Skills

Languages Spanish (Native), Catalan (Native), English (Cambridge Advanced C1), French (A1, currently studying)

Programming C++ (Intermediate), Python (Intermediate), Matlab (Basic), AMPL (Basic)