

# 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

- Selected to participate at the programme Youth and Science, managed by Fundació Catalunya La Pedrera. A three-year programme to encourage scientific vocations of 50 young 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)

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