

# Bernat Ibáñez Martínez

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## 1 Education

### Universitat Politècnica de Catalunya

2021 - Today

Degree in Mathematics

Degree in Computer Science

Notable Grades: Multiple Honours in Programming, Computer Architecture and Physics.

Scholarship for academic excellence from the Center for Superior Interdisciplinary Formation (CFIS).

### School Sant Miquel dels Sants

2019 - 2021

Spain National Baccalaureate

Final Grade: 98.6%

## 2 Awards

### International

2022, Paradigm Conference (Hackathon): OCaml Track Winner

2021, International Physics Olympiad: Finalist

### National

2021, Olimpiada Española de Física, Gold Medal

2021, Honours for high marks in the university entrance exams

2018, Pangea National Maths Competition: 1st Place

## 3 Experience

I have participated in several **Hackathons** to learn and test new programming skills. I also post about some of my personal projects in a **technical blog** (blog.bibanez.xyz).

### **Esperanto Technologies**, Barcelona, Spain / Palo Alto, CA

July - September 2023

I was introduced to hardware design, working on a Risc-V compliant debugger. There I developed an interface to directly communicate GDB with a running simulation in SystemVerilog through DPIs.

### **Center for Mathematics Research (CRM)**, Barcelona, Spain

2022

During my week's stay at the Complex Systems branch of the CRM, I wrote an interactive program that simulates the chaotic behavior of earthquakes.

### **Youth and Science ("Joves i Ciència")**, Barcelona, Spain

2019

I was chosen to participate in a Science Education Program where I chose to delve into the topic of Astrophysics guided by experienced researchers.

### **In Love w/ Supercomputing**, Barcelona, Spain

2019 - 2020

I participated in a series of supercomputing workshops organized by the Barcelona Supercomputing Center.

## 4 Other skills and interests

### **Programming languages and Technologies**

C/C++, Linux, Python, OCaml, Java, Latex, Git

### **Languages**

Spanish, Catalan, English (C2 Proficiency), French, German

### **Music**

Intermediate Studies in Music Theory and Piano.