

Edgar Moreno Martínez

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1 Education

Universitat Politècnica de Catalunya 2018 – 2023

Degree in Mathematics Current Grade: 9.2/10

Degree in Computer Science Current Grade: 9.2/10

Full tuition scholarship for academic excellence from the Centre of Interdisciplinary Superior Formation

2 Academic Experience

Visiting student at Maryland University 2022-2023

Undergrad thesis on Game theory at Prof. MohammadTaghi lab. All expenses covered by CFIS.

Undergraduate research on Quantum Computing 2021

I performed mathematics research on Quantum Computing focused on quantum error correction codes with professor Simeon Ball. Had an INIREC scholarship granted by Banco Santander.

Problem setting

I'm a problem setter for the Spanish Informatics Olympiad. I also proposed and reviewed problems for the Catalan Informatics Olympiad, the UPC programming contest and Codeforces rounds.

Teaching 2022

Teached courses on Logic, Gödel's theorems and Turing machines and in Quantum Computing to CFIS freshmans. Also taught an introduction to Combinatorial Game Theory for high-school students interested in Mathematics.

3 Work experience

Quantitative Research at G-Research Summer-2022

I was an intern at the Summer Research program in London. I did an individual research project for 10 weeks on stochastic optimization and Reinforcement Learning.

Xanadu Trading Summer-2021

Internship of 3 months at Xanadu Trading, a company that trades in the derivative markets using a fully automated high frequency algorithm. I was employed in the software team and coded high efficiency and robust algorithms to be deployed to production.

HappyScribe StartUp

Summer-2020

Summer internship in the software team in a startup based in Barcelona. Speech recognition and online platform with customers interaction. Had to startup a section from scratch that can be checked here.

EMDEP TestBoards

Summer-2019

Summer internship in the software team. Research in algorithms and update of UI and databases products. The company focus in support products for the automobile sector (engineering).

4 Achievements

SWERC-ICPC contestant	2020, 2022
SWERC-ICPC Bronze medal	2022
Spanish Olympiad in Mathematics: Bronze Medal, Silver Medal	2017, 2018
Spanish Olympiad in Informatics: Silver Medal	2018
Kangaroo Math's tests ¹ winner	2016, 2017

SciTech Technion summer camp

2017

Summer camp hold in Haifa, Israel. In this pre-university summer camp assist young students interested in science and technology from all over the world. Worked in a research team. The tuition fee was payed by Cellex foundation.

5 Skills

Programming languages and technologies

C++ (projects with more than 10k lines), R, Python, C#, SQL, Java

Languages

Spanish (native), Catalan (native), English (fluent), German (A2), Russian (A2).

¹Kangaroo's test is a competition of short maths problems hold in Catalonia where between 4000 and 15000 students participate. More info