Edgar Moreno Martínez

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1 Education

Cambridge University 2023 − 2024

MASt in Pure Mathematics
All expenses covered by La Caixa Fellowship 2023.

Universitat Politècnica de Catalunya 2018 − 2023

| Degree in Mathematics | Grade: 9.2/10 |
| Degree in Computer Science | Grade: 9.2/10 |

Favourite subjects: Discrete Maths (Honours), Algorithms I, II & III (Honours), Theory of Computation (Honours), Combinatorics & Graphs, Probability (Honours)
Full tuition scholarship for academic excellence from the Centre of Interdisciplinary Superior Formation (CFIS).

Jaume Vicens Vives 2016 − 2018

International Baccalaureate and Spanish Baccalaureate
Full tuition scholarship for academic excellence from CiMs-Cellex foundation.

2 Academic Experience

BIMR Summer 2023

Barcelona Introduction to Mathematical Research program organized by CRM (Centre de Recerca Matemàtica). A summer program with seminars and a research project on Stalling Automatas directed by Professors Enric Ventura and Jordi Delgado.

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 teached 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

I was employed in the software team and coded high efficiency and robust algorithms.

HappyScribe   Summer-2020

Summer internship in the software team in a startup based in Barcelona. Speech recognition and online platform with customers interaction.

EMDEP TestBoards   Summer-2019

Summer internship in the software team. Research in algorithms.

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
Spanish Olympiad in Physics: Bronze 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 technolgy 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++, Python, R, Java

Languages

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

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