ÁLVARO ROMERO CASTILLO

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📍 Dublin, Ireland / Barberà del Vallès, Spain

EDUCATION

Agora Sant Cugat International School
2007–2022
Primary school, Secondary education and International Baccalaureate diploma.
Grade: 39/45
Subjects:
- Physics HL, Mathematics HL, Spanish A HL, English B HL, Chemistry SL, History SL.

Kumon
2008–2017
A mathematics programme encompassing from counting to infinitesimal calculus that I completed with 12 years of age.

International Schools Assembly Youth Leadership Encounter
2019
A conference in which different international schools do a presentation about an emerging topic in education. In our case was how to implement Artificial Intelligence in education.
Castellón de la Plana

Bojos per la física
2022
A physics programme in which they select 25 high school students from all around Catalonia for them to visit investigation centers such as the ICFO, IFAE, ALBA synchrotron, and learn about the current state of research in physics.
Fundació Catalunya La Pedrera, Barcelona

Trinity College Dublin
2022–present
Bachelor in Theoretical Physics. Part of the committee of the Theoretical Physics Association (TPSA) and member of the swimming club (DUSC). Awarded the Arthur Lyster prize by the School of Mathematics for the results obtained in first grade.
Dublin, Ireland

WORK EXPERIENCE

Pescasalada Pedro García
August 2023
Barcelona, Spain
Intern in the administration. Operating register with efficiency to cash, credit and check payments. Efficiently coordinated the reception of shipments from wholesalers, ensuring the integrity and accuracy of delivered products. Collaborated with other departments to ensure smooth communication and operation in the receiving and storage area.

PROGRAMMING

Languages: Python, Mathematica, Latex, C, Julia, HTML, CSS
Libraries: Numpy, Matplotlib, Sympy, Scipy
Frameworks: Virtual Studio Code, Vim, Linux, Windows

TPSA Ireland Qiskit Fallfest
2023
Trinity College Dublin, Ireland
Coding challenge where we were introduced to the Qiskit programming language developed by IBM and where asked to submit coding challenges using this framework.

SKILLS

Languages

Spanish: Native | **Catalan:** Native | **English:** Advanced Certificate (C1) | **German:** Basic

NACE Academic Olympics
2017
St George's School, Leioa, Spain
2018
Rome International School, Rome, Italy
Event where all the schools from the group NACE compete against each other in academic challenges. I was part of the Agora Sant Cugat team for two years in a row.

Model of the United Nations

Conferences where High School students emulate the assemblies of the United Nations and debate on current world issues and try to reach solutions. I attended the Iberian Model of the United Nations in Lisbon, The Hague International Model of the United Nations and the National High School Model of the United Nations in New York.

2019 & 2020
Lisbon, Portugal

2020 & 2021
The Hague, Netherlands

2022
Midtown Hilton,
New York City, USA

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