

# Izan Beltran

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## EDUCATION

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Degree in Mathematics, [Universitat Politècnica de Catalunya \(UPC\)](#) 2020 – exp. 2024

## EXPERIENCE

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- Research Assistant at [Universitat Politècnica de Catalunya \(UPC\)](#) Jul. 2023 – Sep. 2023  
Research about new methods of automated chip floorplanning.
- Software Development Engineer Intern at [Amazon](#) Jul. 2022 – Oct. 2022
- Data Science Intern at [Capchase](#) Jan. 2021 – Apr. 2021

## VOLUNTEER EXPERIENCE

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- Problem setter and tester at the [Spanish Olympiad in Informatics](#) 2020 – present
- Problem setter and tester at the [Catalan Olympiad in Informatics](#) 2020 – present
- Secretary, problem setter and tester at the [Spanish Girls Olympiad in Informatics](#) 2021 – present
- Teaching programming to high school students at [Universitat Politècnica de Catalunya \(UPC\)](#) 2020 – present

## COMPETITIONS AND WORKSHOPS

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- 11th place (11/120) at [Southwestern European Regional Contest \(SWERC\)](#) of the [ICPC](#) competition 2022
- 8th place (8/97) at [Southwestern European Regional Contest \(SWERC\)](#) of the [ICPC](#) competition 2021
- 22nd place (22/100) at [Southwestern European Regional Contest \(SWERC\)](#) of the [ICPC](#) competition 2020
- Participant at the [International Olympiad in Informatics \(IOI\)](#), Spanish team 2019  
Best 4 high school students from each country are selected to participate in the IOI in representation of their countries
- Gold medal (2nd) at [Spanish Olympiad in Informatics](#) 2019
- Gold medal (2nd) at [Catalan Olympiad in Informatics](#) 2019
- 1st place (1/99) at [HP Codewars Barcelona](#) 2019
- 23rd place at [Tuenti Challenge 9](#) 2019  
A contest where you need algorithmic, cybersecurity, reverse engineering, networking and some other skills related to informatics and math in order to solve the challenges
- Silver medal (5th) at [Spanish Olympiad in Informatics](#) 2018
- Gold medal (2nd) at [Catalan Olympiad in Informatics](#) 2018
- 3rd place (3/102) at [HP Codewars Barcelona](#) 2018
- 26th place at [Tuenti Challenge 8](#) 2018
- Finalist at [Spanish Olympiad in Informatics](#) 2017
- 6th place (6/108) at [HP Codewars Barcelona](#) 2017

## LANGUAGES

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**English**      Fluent  
**Spanish**     Native  
**Catalan**     Native

## INTERESTS

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- Problem solving, competitive programming and challenging problems that require creativity to solve
- Optimization, bot programming, AI in strategy games, algorithmic graph theory, reverse engineering
- Music, piano, books, films, cooking, travelling and learning new things