JAN MATAS

CONTACT

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SKILLS

C++
Used C++ for algorithm development and personal projects. Experienced in OOP, software desing and testing. Due to extensive experience in competitive programming, able to write highly optimized code.

Python
Extensive experience with Python for data science, proficient in libraries like Pandas, Numpy, TensorFlow, Keras, PyTorch, and other machine learning tools, along with various data visualization libraries.
Also developed and app to help teachers with group making using heuristic algorithms.

Other tools and programming languages
Git, GIthub, SQLite, HTML, CSS, JavaScript

Languages
Catalan, Spanish and English

VOLUNTEERING

SPANISH OLYMPIAD IN INFORMATICS PROBLEM SETTER AND TESTER
2023 – Present
- Propose, set and test problems for the National Spanish Olympiad in Informatics
olimpiada-informatica.org

YOUTH GROUP COUNSELOR
2023 – Present
- Educate children with principiles like equality, empathy, feminism... while having fun.
- Helped in the development of the webpage.
movidesarria

EDUCATION

BACHELOR OF MATHEMATICS AND BACHELOR OF DATA SCIENCE - CFIS/POLYTECHNIC UNIVERSITY OF CATALONIA
2024 – Dec 2028
- Gained admission to this high-performance university program through a highly selective entrance examination.
- Simultaneously pursuing two full university degrees.
- Honours in Algorithms.

BACHELOR OF COMPUTER SCIENCE - POLYTECHNIC UNIVERSITY OF CATALONIA (UPC)
2023 – 2024
- GPA: 9.56/10.
- Honours in 6/8 courses.

ALGORITHMS AND MATHEMATICS – HARBOUR.SPACE UNI
2022 – 2023
- Trained by some of the best competitive programmers in the world.
- Developed strong problem solving skills and profound understanding in advanced algorithms.and C++.

HONORS AND AWARDS

GOLD MEDAL AT THE VI CATALAN OLYMPIAD - UNIVERSITAT POLITÈCNICA DE CATALUNYA
- Catalan Olympiad in Informatics. Competition.

27TH PLACE AT SWERC 2024
- Representing UPC at SWERC 2024. Competition.

2ND PLACE AT HACKUPC OPTIVER CHALLENGE
- My team came 2nd in the HackUPC hackathon Optiver trading challenge, in which we developed an algorithm to optimize stock trading transactions and maximize profits. Competition.

HONORABLE MENTION IN DATATHON BARCELONA 2023
- My team and I developed an algorithm to handle hospital supplies. We used Python to analyze and classify real data from recent years. Competition.

CODEFORCES CANDIDATE MASTER
- Reached a maximum rating of 2000 (top 2%)

TOP 600 AT META HACKER CUP 2024
- Prestigious international competition. Competition.

Hobbies and interests: Competitive Programming, Chess, Poker, MTG, Football, Hiking, Travelling.