MARIA LUCIA APARICIO GARCIA

Fourth-year Math and Computer Science student

@ apariciogarciamarialucia@gmail.com   ☎ (+34) 659 11 66 36
github.com/malupar   in linkedin.com/in/malupar

WORK EXPERIENCE

SWE Intern
Google

📅 June 2025 - present   📍 Zürich, Switzerland

Working on health and monitoring of ML models and autoraters in AI Mode in Shopping.

Student Researcher
Institute of Robotics and Informatics (IRI - CSIC)

📅 October 2024 - May 2025   📍 Barcelona, Spain

Building a physics cloth simulator using Python.

STEP Intern
Google

📅 July 2024 - September 2024   📍 Zürich, Switzerland

Built API support for reviews mainly in JAVA, as well as the ingestion flow for the data in C++.

Student Researcher
Research for Algorithm Development for Commutative Algebra

📅 April 2024 - June 2024   📍 Barcelona, Spain

I implemented different pruning algorithms for minimal resolutions in Python. Click here to see the documentation or here for the preprint.

AI Researcher Intern
i2CAT Foundation

📅 June 2023 - September 2023   📍 Barcelona, Spain

I used a C++ simulator (ns3) that connected with a RL model which implemented the PPO algorithm.

HONORS & AWARDS

Residence Scholarship and Degree Scholarship	2022 - present
European's Girl Olympiad in Informatics	
II Edition - Silver medal	October 2022
I Edition - Bronze medal	June 2021
Spanish's Girl Olympiad in Informatics	
I-II Edition - Gold medal	2021, 2022
Spanish Informatics Olympiad	
XXV-XXVI Editions - Silver medal	2021, 2022
FME Datathon - 1st in Qualcomm Challenge	November 2022
Extraordinary Baccalaureate Award	June 2022
International Junior Scientific Olympiad	
XVI Edition - Bronze medal	December 2019

EDUCATION

Dual degree - Mathematics & Computer Science
Polytechnic University of Catalonia (UPC)

📅 2022 - 2027   📍 Barcelona, Spain

Honors in: Data structures and Algorithms, Introduction to computers

COURSES

Machine Learning
Several online courses related to ML implementations, NLP, data mining

📅 2025   📍 Coursera - DeepLearningAI

Leagues of Code - Advanced Group
Competitive Programming scholarship

📅 2021 and 2022   📍 HarbourSpace University

Reinforcement Learning
Intensive course that combined both theory and practice

📅 June 2023   📍 UPC

SKILLS & CERTIFIED LANGUAGES

C++, Python, Java	Advanced
C, Matlab, Rust, Haskell	Intermediate

Cambridge English	Proficiency C2
French	DELF B2
Spanish	Native

VOLUNTEERING

Spanish Girl's Olympiad in Informatics
President and head of the Scientific Committee

📅 2024 - present

Teacher, tester and problemsetter

📅 2022 - present   📍 OIFem

Spanish Olympiad in Informatics
Member of the Scientific Committee

📅 2023 - present   📍 OIE

Catalan Olympiad in Informatics
Teacher at math and programming workshops

📅 2024 - present   📍 OICat