Pau Escofet i Majoral

PhD Candidate in Quantum Computing Architectures

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http://pauescofet.com
Google Scholar

EXPERIENCE

Polytechnic University of Catalonia— *PhD Student*

September 2023 -   **FPU Santander Scholarship**

PhD Student in the Computer Architecture Department of UPC on the scalability of quantum computers, focusing on modular architectures.

Princeton University —*Visiting PhD Student*

November 2025 - May 2026

Twilio — *Software Engineer Intern*

July 2021 - October 2021

Developed features for the certificate (SSL) chain validation service (Java, Python) and integrated the service with the full pipeline.

SEAT — *Software Engineer Intern*

February 2021 - June 2021

Developed a platform to handle the massive data that vehicle validation generates. Working in the Quality Tests and Releases team.

Polytechnic University of Catalonia — *Undergraduate Researcher*

August 2020 - June 2021

Research in the Computer Science Department of UPC in graph theory.

Nakima — *Full-Stack developer*

April 2019 - May 2020

Part-time job while studying, where I developed full-stack web applications using MEAN (MongoDB, Express, Angular and Node.js) in a Linux environment.

EDUCATION

Polytechnic University of Catalonia— Master's in *Advanced Telecommunication Technologies*

September 2022 - June 2023
Honours in: Quantum Computing, Information Theory, Software Architecture, and Master's thesis.
Average grade: 9.13

ETH Zurich — *Exchange semester (bachelor)*

September 2021 - February 2022

Polytechnic University of Catalonia — *Computer Science Bachelor's*

September 2017 - February 2022
Major: Computing.
Honours in: Logic, Artificial Intelligence, and Bachelor's thesis.
Average grade: 7.95

An extended version of my CV, the academic CV, and selected scientific publications are available in my online portfolio **http://pauescofet.com/**.

SKILLS

Programming Languages
C/C++ (Proficient),
Python (Proficient),
JavaScript (Advanced),
Java (Advanced),
Haskell (Intermediate)

Machine Learning & AI
Scikit Learn, PyTorch, TensorFlow

Full Stack
HTML, CSS, Node.js, Express, MongoDB, Angular, SQL

Other coursework
Quantum Computing,
Data structure & Algorithms,
OO Programming, Parallelism,
Linear Algebra, Optimization,
Unix/Linux environment.

Languages
English, Catalan, Spanish

AWARDS

FPU Santander Scholarship
PhD Scholarship funded by Banco Santander and UPC.

Nova 111 Student List 2022
Top 10 CS students in Spain.

FIB Alumni - 2020/2021
Best CS bachelor's thesis.

University Ramon Llull - 2018
Best chemistry high school thesis.

Hackathons

- Everis challenge winners in Mamuthack 2019.
- 3rd place in Hack Kosice 2020.
- 1st position in StartUB 2021.
- Floorfy challenge winners in HackUPC 2021.
- 1st place in Qiskit Hack 2023 and IBM's challenge winner.