

Pau Escofet i Majoral

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<http://pauescofet.com>

EXPERIENCE

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 multi-level algorithms and methods to extract regularity, aiming at producing better layouts for circuits. Advanced data structures and algorithms. For this research project I was awarded with the best bachelor thesis of 2020-2021, handed by FIB Alumni.

Nakima, Barcelona — *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. I also developed multiple Alexa skills and mobile applications.

IES Montpellier, Montpellier — *Researcher assistant*

July 2016 - August 2016

Research project affiliated to CNRS, QNOSS (Quartz-based Nanomaterials On Silicon for a Sensorized world), in IES Montpellier led by Dr. Adrian Carretero.

EDUCATION

ETH Zurich — *Exchange semester (bachelor)*

September 2021 - February 2022

Courses taken: Algorithmic Game Theory (MS), Geometry Combinatorics & Algorithms (MS), Introduction to Neuroinformatics (BS).

Polytechnic University of Catalonia — *Computer Science Bachelor*

September 2017 - February 2022

Major: Computing.

Honors in: Logics, Artificial Intelligence, and Bachelor's thesis.

Average grade: 7.95.

A description of all personal projects and an extended version of my CV are available in my online portfolio <http://pauescofet.com/>.

SKILLS

Programming Languages

C/C++ (Proficient),
Python (Proficient),
Java Script (Advanced),
Java (Advanced),
Haskell (Intermediate),
Prolog (Intermediate)

Machine Learning & AI

Scikit Learn, CLIPS

Full Stack

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

Other coursework

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

Languages

English, Catalan, Spanish

AWARDS

FIB Alumni - 2020/2021

Best CS bachelor's thesis "Spectral methods for graph drawing and synthesis of integrated circuits".

Nova 111 Student List 2022

Awarded as one of the Top 10 CS students in Spain of 2022 by Nova Talent.

University Ramon Llull

Best end-of-high-school thesis in chemistry of 2017-2018.

Cangur Mathematic competition

Best 2,5% of 18.976 participants.

Hackathons

- Winner of the Everis challenge in Mamuthack 2019.
- 3rd position in Hack Kosice 2020.
- 1st Position in StartUB 2021.