

Jan Olivetti Auladell

Mathematics and computer engineering student.

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EDUCATION

Bachelor's Degree in Mathematics

Universitat Politècnica de Catalunya, Barcelona

09/2017 - Present

Average Grade: 9.17/10

Bachelor's Degree in Computer Engineering

Universitat Politècnica de Catalunya, Barcelona

09/2017 - Present

Average Grade: 9.70/10

PROJECTS AND VOLUNTEERING

HackUPC 2019 (10/2019)

- Developed and presented a data science project using convolutional neural networks that differentiates between real and fake signatures based on the user's movements.

HackUPC 2017 (10/2017)

- Developed and presented a web application that lets you choose several European cities you want to visit and calculates the order that results in the cheapest combination of flights required.

Spanish Olympiad in Informatics Organization Volunteer (09/2017 - 05/2018)

- Creating programming and algorithms tutorials for high school students.
- Creating programming problems for competitions.
- Overseeing competitions and solving any potential issues.

Course in Algorithms and Programming Teacher (07/2019)

- A volunteering project in which I taught coding in C++ and various algorithms to high school students.

RESEARCH

Research Assistant Mentorship

Massachusetts Institute of Technology

09/2021 - Present

Tasks

- Developing a meta-learning model to use as a prior for planning in belief space.
- Comparing different multitask and meta-learning approaches.
- Researching planning techniques such as planning as inference.

Research Science Institute

Massachusetts Institute of Technology

06/2016 - 08/2016

Tasks/Achievements

- Developed and presented a data science project about modeling and predicting changes in carbon sequestration in forests in the US.
- Researched decision tree regression models.
- Earned a Top 10 best presentation prize.

SKILLS

C++

C

Python

Java

Matlab/Octave

Haskell

SQL

Data Structures and Algorithms

PyTorch

Machine Learning

Artificial Intelligence

Software Development

Object Oriented Programming

UNIX

Cloud Computing

AWARDS

La Caixa Postgraduate Abroad Fellowship 2021

Scholarship that fully funds two years of studies and research in a lab of my choosing.

ICPC World Finals 2019 - 21st place

International phase of a programming competition for university students with around 20000 competing teams in all its stages.

Southwestern Europe Regional Contest 2020 - Bronze medal

Regional phase of the ICPC with around 100 competing teams.

Southwestern Europe Regional Contest 2019 - Bronze medal

Southwestern Europe Regional Contest 2018 - Silver medal

Southwestern Europe Regional Contest 2017 - Bronze medal

Google Code Jam 2021 - Top 1000

Online programming competition with around 75000 participants.

Google Code Jam 2020 - Top 1000

Google Code Jam 2019 - Top 1000

Google Code Jam 2018 - Top 1000

Spanish Olympiad in Informatics 2017 - 1st place

National phase of a programming competition for high school students.

Spanish Olympiad in Informatics 2016 - 1st place

Spanish Olympiad in Mathematics 2017 - Gold medal

National phase of a mathematics competition for high school students.

Spanish Olympiad in Mathematics 2016 - Silver medal

Spanish Olympiad in Physics 2017 - Gold medal

National phase of a physics competition for high school students.

LANGUAGES

English

Full Professional Proficiency

Spanish

Native or Bilingual Proficiency

Italian

Native or Bilingual Proficiency

Catalan

Native or Bilingual Proficiency