

Alejandro Amat Payá

CFIS, UPC

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Barcelona, Spain
c/ Enric Granados, 26

Education

CFIS, UPC (Interdisciplinary Higher Education Center from Polytechnic University of Catalonia) **Barcelona, Spain**

Bachelor's Degree in Telecommunication Technologies and Services Engineering

2019-2024

- Major in Audiovisual Signal Processing
- 4 honours: Data Transmission, Electronic Functions and Systems, Vectorial Calculus, Introduction to Electronics
- 7.8 / 10
- Award to the 6th best student from the 2019/2020 promotion
- **Relevant coursework:** Image Processing, Audio Processing, Communication Technologies, Probability and Statistics, Telematic Networks & Data Transmission, Electromagnetism & Radiation, Electronics & Digital Systems

Bachelor's degree in Computer Science Engineering

- Major in Information Technologies
- 7.3 / 10
- **Relevant Coursework:** Operating Systems, Cryptography & Computer Security, Network Protocols, Computer Architecture, Algorithms & Data Structures, Software Architectures

Experience

Big Data Analyst

Mango (Punto FA)

Barcelona, Spain

06/2022 - 09/2022

- Managing the Incoming data from various corporative sources and ingesting it into Mango's Cloud Infrastructure while developing Software with Pyspark, Dbt, MySQL and Python for the Data Layer's manipulation.
- CI/CD development with Jenkins and Automatization Processes with Airflow.
- AWS (EC2, Airflow, S3, Lambda, Sagemaker), Docker & Git.

IT Developer

Indahjoyas

Barcelona, Spain

09/2020 - 04/2021

- Developed A Fully-responsive Web Client with Javascript, Html, Css and Wordpress

Game Developer

Autonomous

Barcelona, Spain

2018 - xxxx

- Developing 2D and 3D local games (PC & Mobile) with Unity Engine and C#
- 3D modelling with Blender

Honours and Awards

- Telecommunications 6th Best student of the 2019/2020 class (2020)
- Best promotion student at Oak House British School (2013)
- Destacable result at the 2017 "Proves Cangur" Competition (2017)
- Acceptance to the CFIS program (2020)

Languages

- **Spanish:** Native
- **Catalan:** Native
- **English:** Advanced (C1), 2019
- **German:** Basic

Technical Skills

- **Programming Skills:** C++, Matlab, Python, Html, Java, C, JavaScript, C#, R, Ruby, MySQL, PySpark, x86, OpenGL
- **Skills of Interest:** Image and Audio processing, Computer Security, Data transmission and communications, Network protocols, Electronics & Digital Systems, Operating Systems, Cloud Computing.

Future Interests in Career

Pursuing a Master's Degree in Telecommunications focused in Deep Learning for Multimedia Processing.