Hector Garcia Barrado

Nationality: Spanish   **Date of birth:** 08/06/2002   **Gender:** Male

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ABOUT ME

My professional interest focuses on applying technological advancements to optimize processes and explore new possibilities for digital interaction.

PUBLICATIONS

[2024]

Comparison of Transfer Learning Performance in Vision Transformers for Satellite Image Classification Degree Final Project focused on comparing the performance of Transfer Learning in Vision Transformers for satellite image classification.

EDUCATION AND TRAINING

Degree in Computer Science
Universidad Politecnica de Madrid [09/2020 – 06/2024]

City: Madrid | **Country:** Spain | **Website:** https://www.upm.es/ | **Level in EQF:** EQF level 6

LANGUAGE SKILLS

Mother tongue(s): Spanish

Other language(s):

English
LISTENING C2 **READING** C2 **WRITING** C1
SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Good programming skills (C, Python, Java, C++) / Version Control System (Git) / Design, document and implement algorithms in functional programming (Elixir) / Fast learner, adaptive and able to improve / Team building and colaboration abilities

PROJECTS

Comparison of Transfer Learning in AI Transformer Models Final Degree Project completed during my studies, published in the UPM Digital Archive at the following link: https://oa.upm.es/82620/

C command line interpreter Designed a basic interpreter able to execute commands and scripts in a simulated terminal enviroment using the C programming language

Language Translation Application I collaborated in the design and development of an application that translates text between multiple languages.

Betting Management System in Elixir I implemented an application that manages bets and payments, with database integration.