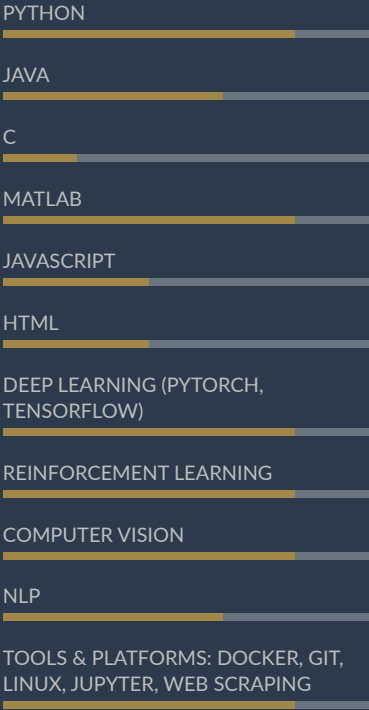




ABOUT ME

I am a machine learning researcher with a strong interest in applying AI to scientific and engineering challenges. At the CVB Lab at **Universitat Politècnica de València**, I work on both academic and industry-oriented research, contributing to European projects. My experience covers areas like Deep Learning, reinforcement learning, computer vision and physics-informed models. I also develop practical tools and open-source projects, from **medical image segmentation** to **control models**. Having built a solid research background, I am now eager to **apply** these skills to real-world problems and innovative applications. Core technical expertise: **Python, Deep Learning, Reinforcement Learning and Computer Vision**

SKILLS



LINKS

GitHub:
github.com/MigCaSan

LinkedIn:
<https://www.linkedin.com/in/miguel-camacho-s%C3%A1nchez-37...>

LANGUAGES



COURSES

- MACHINE LEARNING
STANFORD ONLINE
(COURSERA)
DEC 2022
- DEEP LEARNING APPLIED
TO SIGNAL AND IMAGE
ANALYSIS
UNIVERSITAT POLITÈCNICA
DE VALÈNCIA
JUL 2021

MIGUEL
CAMACHO

MACHINE LEARNING & RESEARCH ENGINEER

📍

Spain

✉

micasan4@teleco.upv.es

WORK EXPERIENCE

CVBLAB -
UNIVERSITAT
POLITÈCNICA DE
VALÈNCIA
València
Sep 2023 - Present

- AI Researcher
- Technical management of EU-funded projects **METAMORPHA** and **TURBO**, coordinating with research teams and industry partners.
 - Applied **reinforcement learning** and **computer vision** in multidisciplinary contexts.
 - Development of AI solutions in **real-world** international frameworks.

CVBLAB -
UNIVERSITAT
POLITÈCNICA DE
VALÈNCIA
València
Feb 2022 - Jul 2023

- Research Intern
- Conducted research in **Quantum Machine Learning** with PennyLane.
 - Developed **reinforcement learning** models applied to complex problem-solving.
 - Designed and implemented **deep learning** models for signal and image analysis.
 - Gained experience in Python, MATLAB, TensorFlow, and PyTorch.

EDUCATION

UNIVERSITAT
POLITÈCNICA DE
VALÈNCIA
València
2024

- MSc in Telecommunication Engineering
- Specialised in advanced communications, signal processing, and AI applications.

UNIVERSITAT
POLITÈCNICA DE
VALÈNCIA
València
2022

- BSc in Telecommunication Technologies and Services Engineering
- Solid foundation in telecommunications, programming and applied engineering.

STANFORD ONLINE
(COURSERA)
2022

- Machine Learning
- Completed the foundational Stanford ML course by Andrew Ng.

UNIVERSITAT
POLITÈCNICA DE
VALÈNCIA
València
2021

- Deep Learning Applied to Signal and Image Analysis
- Intensive course on deep learning methods applied to real datasets.

PUBLICATIONS

45TH RISØ
INTERNATIONAL
SYMPOSIUM ON
MATERIALS SCIENCE
Sep 2025

- Reinforcement learning for synchronised flow control in a dual-gate resin infusion system

IDEAL
Nov 2024

- Towards Sustainable Precision: Machine Learning for Laser Micromachining Optimization