

Personal data

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Current professional status: from 2024, Assistant Professor at [Image and Signal Processing Group](#) (ISP) at **Universitat de València (UV)**, working on applied **Artificial Intelligence**

Former activities:

- **2024 - Post-doc researcher** at ISP, Universitat de València
- **2024 - Volunteer Data Scientist**, IDMC
- **2019 to 2022 - PhD researcher** granted by the Spanish Government, FPU, Uni. de València
- **2018 to 2019 - Research in data analytics**, Universitat de València

Languages:

- | | | | |
|-----------|--------|-----------------------|-------------|
| – Spanish | Native | – English | C2 |
| – German | B2 | – Valencian / Catalan | Native / C2 |
| – French | A2 | | |

Awards and others

- **Extraordinary End of Studies Prize**, 01/09/2018, Universitat Politècnica de València (UPV)
- **Carta de Poblament de Torrent 2023** Prize in Science, Technology and Environment 25/11/2023, City Hall of Torrent
- **Best Doctoral Thesis in Artificial Intelligence** and related disciplines (Comunitat Valenciana), 18/12/2023, ValgrAI
- **Extraordinary PhD Prize**, 09/07/2024, Universitat de València
- **ELLIS Member** (<https://ellis.eu/>), 08/11/2023, European Laboratory for Learning and Intelligent Systems
- **Organizing member of 2024's ELLIS/ELISE [Workshop AI for Learning Weather & Climate](#)**, Univesitat de València

Academic Studies

- **Degree in Computer Science**, Universidad Nacional de Educación a Distancia (UNED), 2021
- **Degree in Engineering in Industrial Technologies**, Universidad Politècnica de Valencia (UPV), 2016
- **Master's in Industrial Engineering** (Industrial Automatics & Robotics), Universidad Politècnica de Valencia (UPV), 2018
- **PhD in Electronical Engineering (cum laude, international mention)**, Univesitat de València (UV), 2022
- **University-specific degree "Escuela de Liderazgo Universitario"**, a 4-year course in liberal arts, <https://elufv.com/> (Excellent "cum laude" on the final project), 2016, Universidad Francisco de Vitoria & Grupo Santander

Publications (for the full list of >60 publications, please refer to: <https://scholar.google.com/citations?user=CCFJshwAAAAJ>)

- Real-time biomechanical modeling of the liver using machine learning models trained on finite element method simulations, 2020, <https://doi.org/10.1016/j.eswa.2019.113083>
- Deep learning for fully automatic detection, segmentation, and Gleason grade estimation of prostate cancer in multiparametric magnetic resonance images, 2022, <https://www.nature.com/articles/s41598-022-06730-6>
- Female sex is a risk factor associated with long-term post-COVID related-symptoms but not with COVID-19 symptoms: the LONG-COVID-EXP-CM multicenter study, 2022, <https://doi.org/10.3390/jcm11020413>
- Explainable Earth Surface Forecasting under Extreme Events, 2024, <https://arxiv.org/pdf/2410.01770>

Participation in projects (only some are shown)

- **European lighthouse of AI for sustainability (ELIAS)**, European Commission, HORIZON-CL4-2022-HUMAN-02, 11.030.575,00 €, 2023-202, Prof. Nicu Sebe (Project Coordinator, UNIVERSITA DEGLI STUDI DI TRENTO)
- **AI for SCIENCE Multi-Hazards, Compounds and Cascade events 'Deep-Extremes'**, European Space Agency, 400.000,00 €, 2022-2024, Prof. Dr. Miguel Mahecha
- **Intelligent data-based solutions for Fresenius Medical Care applications (III-V)**, 640.000,00 € (160.000 € x 4) 2018-2021, José David Martín Guerrero

Research stays abroad

- **German Cancer Research Center (DKFZ)**, Division of Medical Image Computing, Heidelberg, GERMANY, 2021, 3 months, leading to paper: <https://doi.org/10.1148/rycan.230033>

Received courses (only some are shown)

- **Machine Learning** (108h), 2016, Stanford University, Coursera
- **Improving your statistical inferences** (28h), 2017, Eindhoven University of Technology, Coursera
- **3rd Internat. Summer School on Deep Learning** (39h), 2019, Institute for Research Development, Training & Advice
- **Bayesian Methods for Machine Learning** (60h), 2020, National Research University, HSE, Coursera
- **Practical Reinforcement Learning** (60h), 2021, National Research University, HSE, Coursera
- + 5 other Machine Learning courses in Udemy, + 6 courses in biomechanical modeling at UPV, etc.

Taught courses (only some are shown)

- **> 300h of official University courses** at Universitat of València, from 2019-2024, including subjects such as "Connexionist models", "Natural language processing", "Data visualization", "Massive Data", etc.
- **Workshops for high schools** on Data Science in 2019-2024 (6h each year = 36h), Universitat de València
- **Course "Convolutional Neural Networks for Natural and Medical Analysis"**, 2022 Valencia Summer School, Universitat de València