





Pablo Ruiz Ponce




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Education

-  **University of Alicante** *Alicante, Spain*
PHD STUDENT *Jan. 2024 – Now*
PhD Student in Artificial Intelligence with National Grant (FPU)
-  **Polytechnic University of Catalonia** *Barcelona, Spain*
M.Sc. ARTIFICIAL INTELLIGENCE *Sept. 2022 – Jan. 2024*
Average Mark: 9.2/10
-  **Czech Technical University** *Prague, Czechia*
ERASMUS *2021*
Average Mark: 10/10
-  **University of Alicante** *Alicante, Spain*
B.Sc. COMPUTER SCIENCE *Sept. 2018 – June 2022*
Average Mark: 9.4/10 · Subjects Passed with Honors: 18 · High Academic Performance Group

Experience

-  **University of Alicante** *Alicante, Spain*
ASSISTANT LECTURER *Jan. 2024 – Now*
I deliver lectures about Computer Vision, Generative AI, and Multimodality on diverse subjects from the Data Science, Robotics & Artificial Intelligence M.Sc.s
-  **DunavNET** *Novi Sad, Serbia*
RESEARCHER *May 2024 – Aug. 2024*
As part of the REMARKABLE project (10.3030/101086387), I developed lightweight computer vision models for rural environments and generative AI solutions for synthetic data augmentation.
-  **University of Alicante** *Alicante, Spain*
ASSISTANT RESEARCHER *May 2023 – Oct. 2023*
As part of the TED CHAN-TWIn project (TED2021-130890B-C22), I developed multiple computer vision models for monitoring wildlife in natural environments. We also created an extensive dataset with all the captured data.

Skills

- Programming** Python · C++ · JavaScript · Java
Libraries PyTorch · PyTorch Lightning · TensorFlow · Keras
Tools Unity · Unreal Engine · Blender
Others \LaTeX · git · Docker · W&B · AWS · HuggingFace
Languages English (Bilingual proficiency) · Spanish (Native)

Publications

- P. Ruiz-Ponce**, G. Barquero, C. Palmero, S. Escalera, and J. García-Rodríguez. Mixermdm: Learnable composition of human motion diffusion models. In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, June 2025
- P. Ruiz-Ponce**, G. Barquero, C. Palmero, S. Escalera, and J. García-Rodríguez. in2in: Leveraging individual information to generate human interactions. In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops*, pages 1941–1951, June 2024
- P. Ruiz-Ponce**. Text-driven multi-human motion generation. *UPC FIB, Universitat de Barcelona*, Jan 2024
- P. Ruiz-Ponce**, D. Ortiz-Perez, J. Garcia-Rodriguez, and B. Kiefer. Poseidon: A data augmentation tool for small object detection datasets in maritime environments. *Sensors*, 23(7), 2023
- D. Ortiz-Perez, **P. Ruiz-Ponce**, D. Tomás, J. Garcia-Rodriguez, M. F. Vizcaya-Moreno, and M. Leo. A deep learning-based multimodal architecture to predict signs of dementia. *Neurocomputing*, 548:126413, 2023

Additional Education

- Eastern European Machine Learning Summer School**
GOOGLE DEEPMIND TRAINING SCHOOL *Novi Sad, Serbia - 2024*
- Representation Mediated Multimodality**
EU COST SCIENTIFIC APPLICATIONS *Valletta, Malta - 2024*
- Computer Vision on GPUs**
UNIVERSITY OF ALICANTE *Alicante, Spain - 2022*
- Introduction to Deep Learning**
RAFAEL ALTAMIRA SUMMER COURSES *Alicante, Spain - 2021*

Awards and Grants

- Academic Excellence Awards**
INNOVATION COUNCIL *Valencia, Spain - 2024*
- PhD National Grant (FPU)**
SPANISH MINISTRY OF UNIVERSITIES *Madrid, Spain - 2023*
- VI Extraordinary End-of-Degree Award**
GENERAL CAPTAINCY OF VALENCIA *Valencia, Spain - 2023*
- Extraordinary Award**
UNIVERSITY OF ALICANTE *Alicante, Spain - 2022*
- Collaboration Fellowship**
SPANISH MINISTRY OF EDUCATION *Madrid, Spain - 2021*