





Pablo Ruiz Ponce

ARTIFICIAL INTELLIGENCE RESEARCHER

University of Alicante, Alicante, Spain

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Education

	University of Alicante PHD STUDENT PhD Student in Artificial Intelligence with National Grant (FPU)	Alicante, Spain 2023–Now
	Polytechnic University of Catalonia INTERUNIVERSITY M.SC. IN ARTIFICIAL INTELLIGENCE (UPC/UB/URV) Average Mark: 9.2/10	Barcelona, Spain 2022–Now
	Czech Technical University ERASMUS Average Mark: 10/10	Prague, Czech Republic 2021
	University of Alicante B.Sc. COMPUTER SCIENCE Average Mark: 9.4/10 · Subjects Passed with Honors: 18 · High Academic Performance Group	Alicante, Spain 2018–2022

Experience

	University of Alicante RESEARCH ASSISTANT Deep Learning & Computer Vision Research Assistant in the TED project CHAN-TWIN	Alicante, Spain May 2023–October 2023
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Awards and Grants

2023	Grant for University Teacher Training (PhD National Grant) , Spanish Ministry of Universities	Spain
2023	VI Extraordinary End-of-Degree Award , General Captaincy of Valencia	Valencia, Spain
2022	Extraordinary Award , University of Alicante	Alicante, Spain
2021	Collaboration Fellowship , Spanish Ministry of Education	Spain

Skills

Programming	Python · C++ · JavaScript · Java · Swift
Tools	TensorFlow · PyTorch · JAX · Keras · Scikit-learn · NumPy · Matplotlib · Pandas
Others	git · \LaTeX · Docker
Languages	English (Bilingual proficiency), Spanish (Native)

Publications

Journal Publications

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. <i>Sensors</i> , 23(7), 2023	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. <i>Neurocomputing</i> , 548:126413, 2023	2023
P. Ruiz Ponce. Small vessel detection in seaborne environments using deep learning techniques, 2022-06-30	2022

Congress Publications

D. Ortiz-Perez, P. Ruiz-Ponce, J. Rodríguez-Juan, D. Tomás, J. Garcia-Rodriguez, and G. J. Nalepa. Deep learning-based emotion detection in aphasia patients. In <i>18th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2023)</i> , pages 195–204, Cham, 2023. Springer Nature Switzerland	2023
P. Ruiz-Ponce, D. Ortiz-Perez, and J. Garcia-Rodriguez. Small vessel detection in changing seaborne environments using anchor-free detectors on aerial images. In <i>17th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2022)</i> , pages 280–288, Cham, 2023. Springer Nature Switzerland	2022