

Dr. Víctor Ponce López

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Contact

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London, United Kingdom

Languages

Catalan ★★★★★(native),
Spanish ★★★★★(native),
English ★★★★★(fluent),
Français ★★★★★
(basic reading/writing/oral).

Programming Languages, Libs, Tools, Web and Environments

♥ Python, MATLAB,
C++/C#/C, R, PyCharm,
Netbeans, Eclipse, VS/VC++,
SVN/GIT, Redmine, \LaTeX , XML,
PostgreSQL, SQL, MySQL,
Tableau, Hive, Spark, Hadoop,
CodaLab, Kaggle, Bash,
PHP/HTML/CSS/JavaScript;
Deep Learning & Computer Vision libraries and toolboxes:
♥ Tensorflow, PyTorch, Keras,
GAN, CNN, LSTM, dlib,
CUDA+CuDNN, Kinect™ SDK,
open{CV/NI/GL}, CNTK+;
evolutionary computation and
statistical pattern recognition:
♥ numpy, matplotlib, sklearn,
optimtool, gatool, pmtk3,
deap, pandas, statsmodel.

OS Preferences

GNU/Linux ★★★★★
Windows ★★★★★
MacOS ★★★★★
Android ★★★★★
iOS ★★★★★

short bio

I am a former Research Fellow at the UCL Energy Institute. I am a member of the European Laboratory for Learning and Intelligent Systems (ELLIS) and a Honorary Research Fellow at the Dept. of Computer Science at the University of Bristol. I was a Research Scientist in Eurecat at the Big Data Analytics Unit. I hold a PhD at the the Dept. of Mathematics and Computer Science, University of Barcelona (UB). I received my B.Sc. degree in Computer Science and Engineering at the Faculty of Mathematics of UB, and my M.Sc. degree in Artificial Intelligence at the Polytechnic University of Catalonia. I was affiliated to the Computer Vision Center and the Open University of Catalonia, in the groups HupBA and SUNAL; and the group Qarma at the Laboratoire d'Informatique Fondamentale, Aix-Marseille Université.

experience

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| 2020–2022 | University College London
<i>Research Fellow in Machine Learning at the UCL Energy Institute</i>
London, United Kingdom <ul style="list-style-type: none">• Natural Language Processing on Disasters for the Environment & Energy.• Time-Series Forecasting of Energy Markets using Deep Neural Networks. |
| 2017–2020 | University of Bristol
<i>PostDoc Research Associate & Research Fellow at the Visual Information Lab.</i>
Bristol, United Kingdom <ul style="list-style-type: none">• Time-Series Prediction of Seasonal Ground Surface Deformation.• Computer Vision for Human Activity Recognition in Home Healthcare.• Domain Adaptation, Self-Supervised Learning, GANs, Person Re-Identification. |
| past–2017 | Eurecat Technology Center of Catalonia, University of Barcelona, Open University of Catalonia, Computer Vision Center, Dept. of Justice @ GOV of Catalonia, and Barcelona City Council's Dept. of Education, Culture and Welfare
<i>Research Scientist, PostDoc, Collaborations in Research & IT, international PhD stay, 40+ scientific publications and peer-reviews, teaching and material preparation, organization/attendance on international conferences, events, and seminars.</i> <ul style="list-style-type: none">• 7 impact factor journals, 17 conference proceedings, and 1 book chapter.• ChaLearn Looking At People collaboration with Microsoft, NVIDIA, Google, Amazon, Disney, Facebook, Orange, MWC-GSMA.• Research projects on human behavior analysis within real-world domains. |

education

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| 2012–2016 | Ph.D. in Mathematics and Computer Science
Faculty of Mathematics, University of Barcelona
Dissertation: "Evolutionary Bags of Space-Time Features for Human Analysis." Cum Laude and International Mention. |
| 2010–2012 | M.Sc in Artificial Intelligence
Polytechnic University of Catalonia, University of Barcelona, and Rovira i Virgili University.
Dissertation: "Multi-Modal Human Gesture Recognition combining Dynamic Programming and Probabilistic Methods." With Honors. |
| 2006–2010 | B.Sc in Computer Science: Systems engineering
Faculty of Mathematics, University of Barcelona.
Dissertation: "Analysis of Oral and Gestural Expression using an Artificial Vision System." With Honors. |

extracurricular

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| 2006–Present | Driving license |
| 1998–2004 | Musical language and Piano licenses |

interests

I'm a passionate of diversity in research & technology. My main interests are machine learning and deep pattern recognition to address real-world applications. I follow cutting-edge research and technology to be aware of future trends to come and new social needs for the people.