Víctor Ponce López

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Contact

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Bristol, United Kingdom

Languages

Catalan ★★★★★(native),
Spanish ★★★★★(native),
English ★★★★★
(advanced reading/writing, fluent oral),
Français ★★★★★
(intermediate reading/writing, basics 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, 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 Research Associate in the Dept. of Computer Science at the University of Bristol and member of the European Laboratory for Learning and Intelligent Systems (ELLIS). 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 -Autonomous University of Barcelona- and the Open University of Catalonia, in the groups HuPBA and SUNAI; and the group Qarma at the Laboratoire d'Informatique Fondamentalle, Aix-Marseille Université.

experience

2017–Present **ELLIS Society & University of Bristol** Bristol, United Kingdom
Member of the European Laboratory for Learning and Intelligent Systems (ELLIS). Postdoctoral Research Associate, Dept. of Computer Science.
- Time-Series Predictive Analysis of Seasonal Ground Surface Deformation.
- Computer Vision for Human Activity Recognition in Home Healthcare.
- Domain Adaptation, Self-Supervised Learning, GANs, Person Re-IDentification.

2010–2017 **Eurecat Technology Center of Catalonia, University of Barcelona, Open University of Catalonia, Computer Vision Center, and Dept. of Justice, Government of Catalonia**
Research Scientist, PostDoc, Collaboration in Research projects, international PhD stay, 40+ scientific publications and peer-reviews, teaching and material preparation, organization/attendance on international conferences, events, and seminars.
- 4 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.

Past–2010 **Barcelona's Council: Dept. of Education, Culture and Welfare** Barcelona, Spain
Software Engineer, IT Services.

education

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 (spanish) 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

2006–Present **Driving license**

2004–Present **Martial Arts licenses** Hapkido 2nd Black Belt

1998–2004 **Musical language and Piano licenses**

interests

I'm a research & technology passionate. My main interests are computer vision, machine learning, and evolutionary computation for real-world applications. I like to be up to date with latest research and cutting-edge technology to foresee next future trends and needs.