

Víctor Ponce López



Contact

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 victorponce.info
 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, Scala, Java, VS/VC++, VB, .NET, Netbeans, Eclipse, Prolog, CLIPS, NTKL, UML, SVN, GIT, Redmine, L^AT_EX, XML, PHP, HTML, SQL, MySQL, PostgreSQL, CSS, JavaScript, Hive, Spark, HDFS, AWS, Azure, CodaLab, Kaggle, Bash, GRAFCET, ASM, VHDL; libraries/toolboxes for deep learning and computer vision:
 ♥ Tensorflow, PyTorch, Keras, open{CV/NI/GL}, dlib, CUDA, CuDNN, Kinect™ SDK, CNTK; evolutionary computation and statistical pattern recognition:
 ♥ numpy, matplotlib, sklearn,
 ♥ optimtool, gatool, pmtk3, deap, pandas.

OS Preferences

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

short bio

I am a Post-Doctoral Research Associate in the Dept. of Computer Science at the University of Bristol. I have been 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 (UPC). I am affiliated to the Computer Vision Center -Autonomous University of Barcelona (UAB)- and the Open University of Catalonia (UOC), in the groups HuPBA and SUNAI; and the group Qarma at the Laboratoire d'Informatique Fondamentale (LIF), Aix-Marseille Université.

experience

- 2017–Present **University of Bristol** Bristol, United Kingdom
Postdoctoral Research Associate, Dept. of Computer Science.
 • Computer Vision for Human Activity Recognition in Home Healthcare.
- 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, Collaboration in research projects, international stay, 40+ scientific publications and peer-reviews, teaching and material preparation, organization/attendance on international conferences, events, and seminars.
 • 4 impact factor journals, 15 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.
- 2010 **Barcelona's Council: Dept. of Education, Culture and Welfare** Barcelona, Spain
IT Technician and Project Development.
- 2007 **BCN Network Solutions & Services S.L** Barcelona, Spain
IT Consultant, Web developer, and commercial.

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 am a technology passionate. My main research fields of interest are computer vision, machine (deep) learning, and evolutionary computation applied to social computing and health. It motivates me being up to date on the latest discoveries to foresee next trends for the future.