

Víctor Ponce López



Contact

vponcelop<at>gmail.com
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, PyCharm,
Netbeans, Eclipse, VS/VC++,
SVN/GIT, Redmine, L^AT_EX, 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 Fellow at the University College London and a Honorary Research Fellow of 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 and the Open University of Catalonia, in the groups HUPBA and SUNAI; and the group Qarma at the Laboratoire d'Informatique Fondamentale, Aix-Marseille Université.

experience

- 2017–Present **University College London & University of Bristol** Bristol & London, United Kingdom
*Member of the European Laboratory for Learning and Intelligent Systems (ELLIS).
Postdoctoral Research Associate & Fellow*
- **Machine Learning** and **Natural Language Processing** for Environment & Energy.
 - **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.
- 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**
- 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.