



Miquel Perelló Nieto

105 Stockwood Lane, BS14 8SY, Bristol, UK
+44 (0) 7541 92 92 68 • miquel@perellonieto.com
www.perellonieto.com

Education

- **M.Sc. in Machine Learning and Data Mining** **2013 – 2015**
Aalto University School of Science *Espoo, Finland*
 - Thesis "**Merging chrominance and luminance in early, medium and late fusion using Convolutional Neural Networks**" with distinction.
- **M.Sc. in Artificial Intelligence** **2012 – 2015**
Consortium of three universities: *Catalonia, Spain*
Technical University of Catalonia, University of Barcelona, and Rovira i Virgili University
 - Information retrieval, recomender systems
 - Robotics, human-robot interaction, multi-agent systems
 - Computer vision, object recognition
 - Computational intelligence and neuroscience
 - Natural language processing
- **B.Sc. in Technical Engineer in Computer Systems** **2007 – 2012**
Barcelona School of Informatics at the Technical University of Catalonia *Barcelona, Spain*
 - Thesis "**Design of a platform to test distributed control systems**" with distinction.
 - Project Manager of a group of ten students.
 - Implemented an automatic assistant for vehicle accidents.
 - Implemented an Intelligent RSS feed reader web-page.
 - Implemented a Linux based Operating System.
 - Created a Linux 2.6 kernel module to intercept system-calls.
 - Implemented a recommender system of movies, documentaries and series.
 - Implemented a local search program for vehicle logistics.
- **Vocational Training in Development of electronic devices** **2004 – 2006**
Escola del treball *Barcelona, Spain*
 - Designed and implementated a pre-amp equalizer.
- **High school degree with specialisation on Science and Technology** **2002 – 2004**
Col·legi la Mercè - Martorell *Barcelona, Spain*
 - Research project on "**Sub-atomic world and particle accelerators**".

Research interests

- Artificial Intelligence
- Neural Networks
- Cognitive Science
- Deep Learning
- Robotics
- Computer Vision
- Meta-learning

Publications

1. Fuertes, J. M., Villà, R., Ayza, J., Mars, P., Martí, P., Velasco, M., Yezpez, J., Torres, G., Perelló, M. **Hands-on Course in Networked Control Systems**, Spain. In 20th Mediterranean Conference on Control and Automation (MED2012), Barcelona, Spain, July, 2012.
 2. Fuertes, J. M., Villà, R., Ayza, J., Mars, P., Martí, P., Velasco, M., Yezpez, J., Torres, G., Perelló, M. **Design of a Hands-on Course in Networked Control Systems** XV Jornadas de Tiempo Real, Santander, Spain, January, 2012.
-

Work experience

- **Research Assistant** **2015 – Curr**
University of Bristol *Bristol, UK*
 - Intelligent Systems Laboratory
 - **Research Assistant** **2014 – 2015**
Aalto University School of Science *Espoo, Finland*
 - Unsupervised Learning of Multiple Languages Using Recurrent Neural Networks
 - On the use of Convolutional Neural Networks for spatio-temporal feature extraction
 - Merging chrominance and luminance in an early, medium and late fusion using Convolutional Neural Networks
 - **Software Designer/Developer & Systems Administrator** **2010 – 2013**
FACERAS, S.L. *Barcelona, Spain*
 - Design and implementation of an **access control system along several buildings of Barcelona**.
 - * Embedded Devices: IGEPv2, Arduino, PLC Schneider, Mbed (Philips).
 - * Operating Systems:
 - Servers:** Debian
 - Desktops:** Ubuntu, Windows XP
 - Embedded:** Poky Linux
 - * Programing languages: C++, C, Python, Bash, Perl, MySQL, PHP, Javascript.
 - * Communication protocols: ModBus, CAN, Serial RS232, VoIP.
 - **Installer & Technical Service Manager** **2006 – 2010**
DN Electrónica 2002, S.A. *Martorell (Barcelona), Spain*
-

Core Technical Skills

Programing languages: C++, C, Python, ASM, Java, R, Matlab, Bash, Perl, CLIPS, PROLOG, SQL, PHP, JavaScript, L^AT_EX

Open Source Contributions: Tetris for Arduino and uOLED screen (4D Systems).