



Jon Almazán

Curriculum Vitae

About me

Ph.D. researcher in Computer Vision, specializing in Image Retrieval and Pattern Recognition. Also highly experienced in Machine Learning and Large-scale problems, with practical experience in C/C++ development. Expected thesis submission date: September 2014. To know more about my research projects, visit <http://www.cvc.uab.es/~almazan>.

Publications

Journals

- PAMI2014 Almazán J., Gordo A., Fornés A., Valveny E., Word Spotting and Recognition with Embedded Attributes. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 2014.
- PR2014 Almazán J., Gordo A., Fornés A., Valveny E., Segmentation-Free Word Spotting with Exemplar SVMs. *Pattern Recognition*, 2014.
- PR2012 Almazán J., Fornés A., Valveny E., A non-rigid appearance model for shape description and recognition. *Pattern Recognition*, 2012.

International Conferences

- ICCV2013 Almazán J., Gordo A., Fornés A., Valveny E., Handwritten Word Spotting with Corrected Attributes. In *International Conference on Computer Vision*, 2013.
- ICDAR2013 Almazán J., Fornés A., Valveny E., Deformable HOG-based Shape Descriptor. In *International Conference on Document Analysis and Recognition*, 2013.
- BMVC2012 Almazán J., Gordo A., Fornés A., Valveny E., Efficient Exemplar Word Spotting. In *British Machine Vision Conference*, 2012.
- ICFHR2012 Almazán J., Fernández D., Fornés A., Lladós J., Valveny E., A Coarse-to-Fine Approach for Handwritten Word Spotting in Large Scale Historical Documents Collection. In *International Conference on Frontiers in Handwriting Recognition*, 2012.

ICDAR2011 Almazán J., Fornés A., Valveny E., A Non-Rigid Feature Extraction Method for Shape Recognition. In *International Conference on Document Analysis and Recognition*, 2011.

Education

- 2010–Present **Ph.D. student in Computer Vision**, *Universidad Autónoma de Barcelona*, Spain.
- Topics: shape recognition, word image representation, machine learning, image retrieval, large-scale problems
 - Advisors: Ernest Valveny and Alicia Fornés
- 2013 **Research Stay**, *IMP Lab*, Osaka Prefecture University, Japan.
- Topics: machine learning, image retrieval, large-scale problems
 - Advisors: Masakazu Iwamura and Koichi Kise
- 2009–2010 **M.Sc. in Computer Vision and Artificial Intelligence**, *Universidad Autónoma de Barcelona*, Spain.
- Topics: computer vision, pattern recognition, machine learning
- 2001–2008 **B.Sc. in Computer Science**, *Universidad Jaume I*, Castellón, Spain.
- Final project: *Vision and Robotics*
Developed and presented at NHL Computer Vision Lab, Holland

Experience

- 2013–Present **Computer Vision Researcher**, *COMPUTER VISION CENTER*, Barcelona, Spain.
Development of Computer Vision-based solutions for companies. It involved the development of a multiplatform and mobile application for automatic meter reading for a natural gas company.
- Detailed achievements:
- Experience in transferring knowledge to real problems.
 - Development of light and robust solutions that run in mobile platforms.
 - Experience in multiplatform applications in C++.
- 2009–2013 **Teaching Assistant**, *UNIVERSIDAD AUTÓNOMA DE BARCELONA*, Spain.
Teaching assistant at the Computer Science Department in the Universidad Autónoma de Barcelona (UAB) in the following courses:
- Programming Methodologies: classes focused on introducing the basic concepts of computer programming, using C/C++ as programming languages.
 - Artificial Vision: classes focused on introducing basic Computer Vision techniques, specially in the area of Image Processing.
- 2008–2009 **Research Internship**, *COGNITIVE ROBOTS S.L.*, Castellón, Spain.
Development and application of cognitive theories to the object recognition. Involved shape recognition, image analysis, 3D reconstruction, stereo vision and qualitative reasoning.
- 2006–2007 **Research Internship**, *NHL COMPUTER VISION LAB*, Leeuwarden, Holland.
Development of an autonomous robot to participate at the RoboChallenge annual competition. Involved computer vision, image analysis, object recognition and robotics.

Other Experience

Programming skills: C/C++, Matlab and Python.

Reviewer in international computer vision conferences: ECCV, BMVC, IJDAR, DAS.

Organization assistant at International Conference on Computer Vision 2011.

Open-Sourced Projects

Word Representation with Embedded Attributes, <http://almazan.github.io/watts/>.

Exemplar Word Spotting Library, <http://almazan.github.io/ews/>.

Awards

2009 Ph.D. Scholarship at Computer Science Department (UAB)

2006 Erasmus Grant at Noordelijke Hogeschool Leeuwarden

Communication Skills

2013 Poster at the International Conference on Computer Vision

2012 Poster at the British Machine Vision Conference

2011&2013 Oral Presentation at the International Conference on Document Analysis and Recognition

Languages

Spanish **Mothertongue**

English **Advanced**

Catalan **Advanced**

Good communication and writing skills

Excellent communication and writing skills

References

Ernest Valveny

- Position: Associate Professor at Universitat Autònoma de Barcelona and director of the Computer Science Department.
- Contact: ernest@cvc.uab.es

Josep Lladós

- Position: Associate Professor at Universitat Autònoma de Barcelona and director of the Computer Vision Center.
- Contact: josep@cvc.uab.es