

# Joan Pastor Pellicer

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## Summary

- 2011-Now **PhD student at Universitat Politècnica de València and participation in the project: “HITITA: Human-assisted interactive transcription of ancient printed and handwritten documents”, Research group: ELiRF at Departamento de Sistemas y Computación, Universitat Politècnica de València, Valencia.**  
Funded by the Ministerio de Ciencia e Innovación
- February - July 2014 **PhD visitor student at Université de Fribourg, Switzerland, Research group: DIVA (Document Image and Voice Analysis) at Department of Informatics, Université de Fribourg, Fribourg, Switzerland.**

## Academic

- 2009-2011 **Master's Degree in Artificial Intelligence, Pattern Recognition and Digital Imaging, Universitat Politècnica de València, Valencia.**
- Master Thesis *Language Modelization and Categorization for Voice-Activated Question Answering, An approach to the Automatic Speech Recognition for Voice-Activated Question Answering system, focusing on the usage of a language model able to include as many relevant words from the document repository as possible, but also representing the general syntactic structure of typical questions.*
- 2004-2009 **Computer Science Degree, Escuela Técnica Superior de Ingeniería Informática, Universitat Politècnica de València, Valencia.**  
Specialization in Artificial Intelligence and Pattern Recognition.
- Computer Science Final Project *An advanced tool for Requirements Management, consisting of an application for manage the diferent requirements and acceptance tests and integration into a tool for supporting the software development using agile methodologies.*

## Experience

- 2010-2011 **Participation as a technician on the project: “SD-TEAM: Interactive Learning, Self-Evaluation and Multimodal Technologies for Multidomain Spoken Dialog Systems”, ELiRF group of Departamento de Sistemas y Computación, Universitat Politècnica de València, Valencia, Work focused on developing tools for Automatic Voice Recognition, Dialog Management and Understanding. Master's Thesis development based on this work. .**  
Funded by the Ministerio de Ciencia e Innovación

2009-2010 **Collaboration on the TUNE-UP project: “Agile Methodology for improve the software development”. University-Company agreement, Atikass group (ISSI) of Departamento de Sistemas y Computación de la Universitat Politècnica de València and the Company APHELION SOLUCIONES INFORMÁTICAS, S.L., València, Participation on several projects of software development: “Support incidence system process.” and “An advanced tool for Requeriments Management” (Final degree project)..**

## Languages

Spanish **Native**  
Valencian/Catalan **Native**  
English **C1**

## Skills

Knowledge of Object Oriented programming paradigms: C++, C#, Java, Python

Knowledge of declarative and functional programming paradigms: SQL, Haskell, LINQ, Python

Design and management of relational databases with Oracle, MySQL, sqlite y SQL Server

Web development: HTML, JavaScript, AngularJS, PHP, Django and Google App Engine

## Publications

- [1] José Luís Adelantado-Torres, Joan Pastor-Pellicer, and María José Castro-Bleda. Una aplicación móvil para la captura y mejora de imágenes de textos. In *Jornadas Tratamiento de la información Modal y Multimodal*, 2014.
- [2] Maria Jose Castro-Bleda, Ivan Bernabucci, Michela Goffredo, Elisa Hassinen, Boris Hollas, Eduardo Lleida, Alfonso Ortega, Joan Pastor-Pellicer, and Antti Salopuro. Collaborative learning in international teams on technologies to reduce the access barrier in human computer interaction (trabhci) erasmus intensive programme. In *EAEIE Annual Conference (EAEIE), 2013 Proceedings of the 24th*, pages 221–226. IEEE, 2013.
- [3] Joan Pastor, Lluís-Felip Hurtado, Encarna Segarra, and Emilio Sanchis. Language modelization and categorization for voice-activated qa. In *16th Iberoamerican Congress on Pattern Recognition*, 2011.
- [4] Joan Pastor-Pellicer, Salvador España Boquera, Francisco Zamora-Martínez, and María José Castro-Bleda. Handwriting normalization by zone estimation using hmm/anns. In *14th International Conference on Frontiers in Handwriting Recognition*, 2014.
- [5] Joan Pastor-Pellicer, Francisco Zamora-Martínez, Salvador España Boquera, and María José Castro-Bleda. F-measure as the error function to train neural networks. In *International Work Conference on Artificial Neural Networks*, 2013.
- [6] Emilio Sanchis, Lluís-Felip Hurtado, Fernando García, Joan Pastor, Joaquin Planells, and Encarna Segarra. Sistema de diálogo multimodal basado en modelos estadísticos. In *XXVII edición del Congreso Anual de la Sociedad Española para el Procesamiento del Lenguaje Natural (SE-PLN)*, 2011.
- [7] Encarna Segarra, Lluís-Felip Hurtado, Jon Ander Gómez, Fernando García, Joaquin Planells, Joan Pastor, Lucía Ortega, Marcos Calvo, and Emilio Sanchis. A prototype of a spoken dialog

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system based on statistical models. In *FALA 2010 VI Jornadas en Tecnología del Habla and II Iberian SLTech Workshop*, 2010.

- [8] Catalin Costin Stanciu, Joan Pastor-Pellicer, and Salvador España Boquera. Catalyde: un entorno de iniciación a la programación con fines educativos. In *V Jornada de Innovación Docente JIDINF'12*, 2013.

## Other information

- February 2013 Co-supervisor of the Computer Science Final Project of the student José Luís Adelantado Torres "*esCam: A mobile application to capture and enhance text images*". An android application designed for enhance and correct document pictures taken by mobile cameras.
- May 2014 Finalist, being on the top 50 contestants, on Tuenti Programming Challenge 4.
- May 2014 Teacher in the *Erasmus Intensive Programme: Natural User Interface Technology to Business*. on the topic: *Google Speech on Android applications*.
- May 2013 Finalist, being on the top 50 contestants, on Tuenti Programming Challenge 3.
- May 2012 Finalist on Tuenti Programming Challenging 2, being one of the 15 selected over 3 000 contestants to attend to the final that was hold at Tuenti offices.
- May 2011 Finalist being on the top 50 contestants on Tuenti Programming Challenge 1.
- November 2012 and November 2013 Member of the judges and problem setters on *Southwestern European Regional Programming (SWERC)*, 2012 and 2013 editions.
- 2011, 2012, 2013 and 2014 Member of the judges and problem setters on the local programming contest *Competición Local de Programación*, organized by Escuela Técnica Superior de Ingeniería Informática of the Universitat Politècnica de València.
- February 2013 Co-supervisor of the Computer Science Final Project of the student Catalin Stanciu "*CATALYDE: A web environment for learning programming*". A web application developed using NodeJs and other new technologies.
- March 2012 and May 2013 Teacher in the *Erasmus Intensive Programme: Technologies to Reduce the Access Barrier for Human Computer Interaction* on the topic: *Speech & Handwriting interfaces*.
- March 2009 Attendant to the *Erasmus Intensive Programme: User's Interfaces for Ambient Intelligence*.
- Years 2006 to 2009 Member of the students representatives at Facultat d'Informàtica. Student support and organizer or the cultural week of the faculty.