Joan Pastor Pellicer

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 del Departamento de Sistemas y Computación, Universitat Politècnica de València*, Valencia.
Funded by the Ministerio de Ciencia e Innovación

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 Requeriments 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*, València, Work focused on developing tools for Automatic Voice Recognition, Dialog Management and Understanding. Master's Thesis development based on this work. .
Funded por el 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, Pyhton etc. . .

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

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

Publications

[1] Salvador España Boquera Joan Pastor-Pellicer, Francico Zamora-Martínez and María José Castro-Bleda. F-measure as the error function to train neural networks.

[2] 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.

[3] 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 (SEPLN)*, 2011.

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

[5] Catalin Costin Stanciu et al. Catalyde: un entorno de iniciación a la programación con fines educativos. 2013.

Other information

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.
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.
2012 and 2013 editions	Member of the judges and problem setters on *Southwestern European Regional Programming (SWERC)*, 2012 edition. (November 2012).

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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.

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 Facultad de Informàtica. Student support and organizer or the cultural week of the faculty.