Joan Pastor Pellicer

Experience

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*, València.

Work focused on Artificial Neural Networks and Deep learning techniques applied for Document Image processing and decoding.

February - July 2014 — **Visitor researcher at Université de Fribourg, Switzerland**, *Research group: DIVA (Document Image and Voice Analisys) at Department of Informatics, Université de Fribourg*, Fribourg, Switzerland.

2010-2011 — **Participation as a technician on the project:"SD-TEAM: Interactive Learning, Self-Evaluation and Multimodal Technologies for Multidomain Spoken Dialog Systems"**, *Research group: ELiRF at Departamento de Sistemas Informáticos y Computación, Universitat Politècnica de València*, València, Work focused on developing tools for Automatic Voice Recognition, Dialog Management and Understanding..

2009-2010 — **Collaboration on the TUNE-UP project: "Agile Methodology for improve the software development". University-Company agreement**, *Atikass group (ISSI) at Departamento de Sistemas Informáticos y Computación, 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".

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.

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 developing an application for manage the diferent requirements and acceptance tests. This work was integrated into a tool for supporting the software development using agile methodologies used in the Company APHELION SOLUCIONES INFORMÁTICAS, S.L..

Languages

Spanish	**Native**
Valencian/Catalan	**Native**
English	**Fluent**

Skills

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

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

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

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

Other information

Algorithm and Programming

I have a keen interest in algorithms and programming. I have participated at several editions of Google Codejam, Facebook Hackercup and Codeforces, and still do. Furthermore, I was at the finalist Tuenti Programming Challenge from 2011 to 2014. I was one of the 15 finalist who attended the final stage at Tuenti Offices in the 2012 in which around 3000 people participated.

I have been involved in organizing programming contests, such as the *Competición Local de Programación*, organized by the ETSINF in Universitat Politècnica de València, in which I have been judge and problem setter since 2011. Moreover, I had the honour of being a member of the judges and problem setters committee for the 2012 and 2013 editions of the *Southwestern European Regional Programming* integrated in the ACM International Collegiate Programming Contest.

Tutoring Final Degree Projects

I co-supervised Computer Science Final Degree Projects. I enjoyed it very much, using new technologies. That is the case of the student José Luís Adelantado Torres; we developed a mobile application to enhance and correct document pictures taken by mobile cameras. Also, with the student Catalin Stanciu, we developed a web based application using NodeJs and other web technologies. Both of them got the best mark by the evaluating committee.

Teaching

I taught (in English) at the *Erasmus Intensive Programme: Technologies to Reduce the Access Barrier for Human Computer Interaction* for the 2012, 2013, 2014 editions. My contribution was focused on the technical about *Speech & Handwriting interfaces.* and their use in .NET and Android platforms. I attended as student in 2009 to the same course.

Social

During my studies I have been member of the students representatives at Facultat d'Informàtica. Student support and organizer or the cultural week. Also I am member of the athletics club at the University.