


## PERSONAL INFORMATION



Parra Valles , Luis Enrique

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Gender Male | Date of birth 13th May of 1986 | Nationality(-ies) Venezuelan

## DESIRED EMPLOYMENT

Software Developer, Software Analysis, Automation Design

## WORK EXPERIENCE

01/2013 - 05/2014

## Research Assistant - Modeling and 3D Computer Vision

Research and software development of current state of the art of 3D vision superresolution techniques, using Matlab, Python and then deploying on C++ with the support of Point Cloud Library (PCL). Research was focused on applications of probabilistic graphical models on images, (Bayesian and Markov Random Fields)

Universidad de Extremadura , Avenidad de Elvas, 06010 Badajoz (Spain)

02/2011 - 12/2011

## Research Internship

Development of applications on Mithsubishi PA-10 robotics arm (trajectory control, real time control, velocity control, visual servoing control). Development of applications on PowerBot (Fuzzy Wander, SLAM, Player - Stage).

Universidad de Alicante , Carretera Sant Vicent del Raspeig, 03690 Alicante (Spain)

12/2009 - 06/2010

## Electrical Project Engineer

Advisor to petrochemical, oil and industrial companies about the required features of their main or emergency power supply, using large generator sets (from 100 kW to 2000 kW). Including power protection, coordination, data analysis, first and final design approval.

Venequip S.A , Zona Industrial Norte, Valencia (Venezuela)

04/2009 - 12/2009

## Quality Control Engineer

In charge of quality check of the installation of electric conduits, cable trays, power cables, relay, high voltage breakers, motor start, instrument tests, telecommunication installation and tests (MODBUS RTU AND TCP/IP, ETHERNET IP).

Costa Norte Construcciones C.A , Urbanización Santa María., Zulia (Venezuela)

04/2008 - 07/2008

## Internship - Engineer department

Development and inspection of new projects (expansions, change of equipment). Computation of quantity take off, first layouts, staff supervision. Of each project the control was entirely done by my department this includes PLC programming and tests, choice of meters.

## EDUCATION AND TRAINING

06/2010 - 06/2011

### Master on Automation and Robotics Master

Development off skills in areas, such as Instrumentation, Automation, Robotics, Inspection, Process Control, Real-time Computing, Systems Integration and Image Processing. Graduated first amongst 20 students with an average of 9,3 out of 10

Universidad de Alicante (Centre type)

Carretera de San Vicente del Raspeig , 03690 Alicante (Spain)

10/2003 - 12/2008

### Electrical Engineering Bachelor

Specialist in modern control theory, state space, finite automata, real time control, robust control.

Universidad de Carabobo

Naguanagua , 02011 Valencia (Venezuela)

## PERSONAL SKILLS AND COMPETENCES

Mother tongue(s)

Spanish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B1	B1	A2	A2	B1

A1/2: Basic user - B1/2: Independent user - C1/2: Proficient user

Social skills and competences

Consider myself with initiative, coordinated, organized, teamwork and able to adapt to changes, also with passion for learning and currently enrolled in many MOOC courses to increase my own set of skills.

Technical skills and competences

Strong analytical skills, Strong Algebra background  
UML, TDD, SCRUM

Computer skills and competences

(By order of expertise)  
Operative systems:  
Linux, Windows, DOS, Robot Operating System (ROS).  
Programming languages:  
Python, C++, C# (.Net Framework), Matlab / Octave, Java, Ruby, PHP, Javascript, R, Assembler.  
Frameworks:  
Django, Ruby on Rails  
IDE:  
NetBeans, Visual Studio 2010/2012, Eclipse, KDevelop  
Text editors:  
Sublime, Geany, Emacs  
DBMS:  
SQL (SQLite, Posgre SQL), MongoDB  
Documents:- LYX, LaTeX  
Scientific: Matlab / Octave

## ADDITIONAL INFORMATION

#### MOOC Courses

Machine Learning - Coursera / Stanford - 12/2013

Control of Mobile Robots - Coursera / Georgia Tech Institute - 03/2014

Discrete Inference and Learning - Coursera / Ecole Central de Paris - 03/2014

Intro to Computer Science - Udacity - 04/2014

Convex Optimization - Stanford Online - 04/2014

Web Application Architectures - Coursera - 06/2014

#### Honours and awards

Best Master Thesis Award - Joint Visual Force Controllers with Fuzzy / Neural Networks