

RESUME

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Education

Date	Institution	Achievements
2013-2014	Universidad de Alcalá Madrid, Spain	-Master in Professional Development.
2013	Politechnika Krakowska (Cracow University of Technology) Cracow, Poland	-Erasmus student majoring in Industrial Engineering.
2011 - 2012	University of San Diego (USD) San Diego, USA	-Exchange student majoring in Industrial Engineering with first honors.
2006 – 2013	Universidad Pontificia de Comillas, ICAI Madrid, Spain	-Master's degree in Industrial Engineering. -Scholarship to the excellence for the 2011-2012 academic year by the Comunidad de Madrid. -Final Degree Project grade : 95% .

Work Experience

Date	Employer	Tasks
2013 - 2014	Airbus Group (1 year internship) Madrid, Spain	- R&D at the NDT laboratory. - Structural tests follow-up of aeronautic components. made of composite and metallic materials through non-destructive inspection (NDI) methods such as: <ul style="list-style-type: none">• Ultrasound: Conventional and Phased Array (Echo pulse, reflecting plate and transmission in automatic installations and manual and semiautomatic equipment).• Eddy currents: High frequency and Rototest. - Evaluation of both Phased Array and Conventional ultrasound probes and equipment. - Impact damages generation (Free fall and controlled speed) in composite materials and evaluation of the defectology produced. - Manufacturing and ultrasound inspection of carbon fibre panels.
2012 - 2013	Tecnatom (5 months internship) Madrid, Spain	-Electrical Engineering Final Project: "Design and manufacturing of the wiring in a KUKA robot-based NDT inspection system"
2011-2012	University of San Diego. San Diego, USA	- On-campus job at the university cafeteria as barista.
2010 - 2011	SCP-Simtersa (9 months internship) Madrid, Spain	- Continuity test of electrical harnesses for avionics. - 3D design with CATIA of a tooling for space sector. - Creation of drawings with Visio and CATIA.
2007- 2008	Universidad Pontificia de Comillas, ICAI Madrid, Spain	- Collaboration scholarship in the Mathematics and Computing department.

Languages

Language	Level
Spanish	Mother tongue
English	Proficient
French	Pre-Intermediate

Computer Skills

Field	Tools
Operating system	Microsoft Windows Linux
Word processor	Microsoft Word OpenOffice Writer
Spreadsheet	Microsoft Excel OpenOffice Calc
Presentation program	Microsoft PowerPoint OpenOffice Impress
Other office suite applications	Microsoft Project Microsoft Visio Microsoft Outlook Mozilla Thunderbird
Mathematical analysis	Derive 6 Matlab 7.0
Ultrasonic NDT inspections	Multi 2000 MIDAS
Product design and simulation	CATIA (Finite Elements analysis included) Autodesk AutoCAD Solid Works CATIA (FE analysis included) Autodesk 3DS MAX P-CAD Orcad-PSPIICE
Web design and programming	HTML, CSS, javascript Dreamweaver Web designs: http://carlos.iusdadoserrano.es/ejemplos
Software development	Phyton C Assembly
Image and video editing	Adobe Photoshop Windows Movie Maker
Sound and music production	Nero Wave Editor Virtual Dj

Stays Abroad

Date	Activity	Destination
2013	PK Erasmus program	- <i>Cracow University of Technology</i> , Cracow, Poland
2011-2012	USD Exchange student program	- <i>University of San Diego</i> , San Diego, USA
Summer 2008	Summer exchange program	-Canberra, Australia
Summer 2005	English summer camp	- <i>Holly Child Jesus College</i> , Hastings, UK
Summer 2004	English summer camp	- <i>Holly Child Jesus College</i> , Hastings, UK
Summer 1998	Summer exchange program	-Chicago, USA

Misc

Activity
European driver license B
Hobbies: Ski, tennis, padel, traveling.