




Rodrigo Santos Álvarez

DATE OF BIRTH:
02/11/1980


CONTACT

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ABOUT ME

I am trained in computer and aircraft engineering. I have twelve years of experience in the education sector, (four as principal) and four in the aircraft engineering sector. I possess a combination of technical expertise and strong problem solving, analytical, communication and management skills. My dynamic learning capability will help me to successfully engage with a large variety projects, especially if they involve interdisciplinary tasks. I am looking for a new professional experience in a new cultural environment. I understand life from a very innovative and open-minded perspective.

WORK EXPERIENCE

01/07/2016 – 30/06/2020 – SEGOVIA, Spain

Secondary School Principal

JUNTA DE CASTILLA Y LEÓN (Education)

- + Head of the oldest secondary school in Segovia. Over 1000 students, 100 teachers and 20 other employees.
- + Leader of a 7 people team.
- + Development of an innovative educational project
- + Responsible for communication with the Junta de CyL, Town hall and other organizations.
- + <http://iesandreslaguna.centros.educa.jcyl.es>

09/2012 – 06/2016 – SEGOVIA, Spain

Head of Studies in a secondary school - IT Responsible

JUNTA DE CASTILLA Y LEÓN (Education)

- + In charge of 300 students and 25 teachers
- + Administrator of Online Education Platforms

01/09/2011 – 01/08/2012 – SEGOVIA, Spain

Maths University professor

UNIVERSIDAD DE VALLADOLID

- **Mathematics University Associate Professor** in Teaching Degree (150 students)

09/2008 – 08/2012 – SEGOVIA, Spain

Teacher (Mathematics, Technology and Science)

JUNTA DE CASTILLA Y LEÓN (Education)

- + Secondary school Maths and Technology teacher
- + Responsible for network and the computers
- + Coordinator of an internship with Ganerben-Gymnasium, Künzelsau

20/01/2005 – 01/07/2008 – Getafe, Spain

Aircraft Design Engineer

AIRBUS SPAIN

Design Engineer in **AIRBUS SPAIN** in the Horizontal Tape Plane (H.T.P) department for the single aisle and long range aircrafts (A320, A330-A340, A340-500/600). Airbus Spain is also responsible for the delivery of all H.T.P., Landing gear doors, section 19 and 19.1, belly fairing and wing ribs for the A380. All parts carbon fibre (**CFRP**).

- Responsible for the repairs approval in manufacturing via **SAP**
- Design of the Structure repair manual for the HTP A340-500/600.
- A330F HTP **Skin Plies Model with CATIAv5**. CFRP (Carbon Fibre Reinforcement Polymer). Responsible for the plies model.

- Member of **international team for the harmonization of design tools for CATIAv5.**
- **Coordinator** of the **subcontractor** team in **Airbus China** implementing the modification for A330 Freighter HTP. **3D parts & Mould design**
- Development of new **programming tools for CATIAv5.**
- Daily use of a **PDM** software with **3D models of A330, A340, A380 in CATIAv5 & v4.**

Manufacturing

01/06/2004 – 01/07/2005 – Valladolid, Spain

● **Manufacturing and logistics Engineer**

ARESA (Aries Estructuras aeroespaciales) - Aciturri

- Building up of a new plant in the Boecillo Technological Institute (Valladolid, Spain). ARESA is responsible for the manufacturing of the Elevator, Rudder and wing Ribs for the A380. All parts manufactured in carbon fibre (CFRP):
- Installation of machines for the **CFRP manufacturing process:** Automatic tape layer, Cutting machine, Termoconforming machine.
- Update of the moulds and tools stockroom software.
- Logistical optimization for tools and parts inside the plant.
- Manufacturing processes optimization

Manufacturing

EDUCATION AND TRAINING

09/1998 – 02/2004 – Madrid, Spain

● **M.Sc. in Aerospace Engineering (Level 6 EQF)**

Universidad Politécnica de Madrid (Spain). Escuela Técnica Superior de ingenieros Aeronáuticos

10/2003 – 02/2004 – Berlin, Germany

● **Graduation Project (Erasmus Scholarship) - Diplom Arbeit**

Technische Universität (Berlin)

10/2005 – 06/2006 – Madrid, Spain

● **Master Database Management**

UNED - Spain's National University of Distance Education

09/2009 – 06/2013 – Segovia, Spain

● **B.Sc. in Computer Engineerign (Level 5 EQF)**

Universidad de Valladolid (Spain)

LANGUAGE SKILLS

MOTHER TONGUE(S): Spanish

OTHER LANGUAGE(S):

English

Listening
C1

Reading
C1

**Spoken
production**
C1

**Spoken
interaction**
C1

Writing
C1

German

Listening
B1

Reading
B1

**Spoken
production**
B1

**Spoken
interaction**
B1

Writing
A2

Chinese

Listening
A1

Reading
A1

**Spoken
production**
A1

**Spoken
interaction**
A1

Writing
A1

PROJECTS

- **Personal web**
www.rodrigasantosalvarez.es

PUBLICATIONS

- **Patent VA-325-2013 (ZatDroid - tracking satellite & Augmented reality app for Android)**
2013
[https://www.redtcue.es/component/contentbuilder/details/19/813/patentesyregistros-valladolid?Itemid=](https://www.redtcue.es/component/contentbuilder/details/19/813/patentesyregistros-valladolid?Itemid=http://uvadoc.uva.es/handle/10324/4134) <http://uvadoc.uva.es/handle/10324/4134> <https://github.com/rodrigasantosalvarez/ZatDroid>

HONOURS AND AWARDS

- **08/2013**
Prometeo Award (UVA) for the graduation project ZATDROID: tracking satellite & Augmented reality app for ANDROID)
- **Patent VA-325-2013 - Universidad de Valladolid** - Universidad de Valladolid
- **10/12/2004**
Pegasus Award: Erasmus in Berlin - PEGASUS
www.dropbox.com/s/8ta2q47rszycdyh/Erasmus_awardPegasus.pdf?dl=0

RECOMMENDATIONS

- Diego del Pozo de Andrés - Education chief in Segovia
.
- María Rocío Fernando Magarzo - Head Engineering A350 Getafe Team
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DIGITAL SKILLS

Programming

Desarrollo Android (Java con Android Studio) / C, C++ C# / Excel Expert (VBA programming) / AppInventor Teacher / Scratch Teacher / good knowledge of Fortran 90

Web Design

Web Design (WordPress, Wix) / Web Development HTML 5 CSS JavaScript

CAD

CATIA v5 Expert / AutoCAD AutoCAD-3D Expert / Nastran In-CAD

Online Management Administrator

MOODLE Administrator / Microsoft teams administrator / Google Workspace administrator

COMMUNICATION AND INTERPERSONAL SKILLS



Public speaking/Talking to large audiences

Delivered a large number of public speeches, lectures and presentations in my position as teacher, head of school, and engineer



Negotiation

Participated in a large number of negotiations and decision-making with teachers, staff, students, families and government bodies during my position as school principal



Leadership

Leading a school with 100 teachers and 1000 students and families and head of a 7 member team



International Team Work

Airbus international teams, School exchange with England, Germany. Erasmus Scholarship living with people around the world.

ORGANISATIONAL SKILLS

● **Self-Motivation and proactivity**

I have successfully developed different professional careers in the fields of engineering and education at different stages in my life, and I therefore have the motivation to improve and succeed no matter the challenge that I meet.

● **Decision Making**

For 4 years I was responsible for running a secondary school, making decisions on a daily basis, taking into account the best interests of students, families, teachers, and members of staff. I had to conduct assessment and evaluations on a daily basis.

● **Analysis and strategic planning**

As an engineer, I have developed strong analytical and problem-solving skills that have enabled me to successfully carry out technical projects in AIRBUS and logistics routes in the new ARESA plant.

As a school principal, my analytical skills enabled me to succeed in all the projects we undertook, especially with regard to innovation strategies.

● **Problem solving attitude**

In Airbus, technical problems were a constant challenge and the attitude to solve these problems made the difference to succeed in the projects.

At school, conflicts and disagreements happened on a daily basis and, in position as school principal, I always demonstrated a positive view and a determined attitude to analyze the issues and find a solution.

● **Down-to-earth thinking**

I am always willing to go the extra mile in order to perform tasks that are not in my timetable or not my responsibility and in order to accomplish an objective.

VOLUNTEERING

● **09/1988 - CURRENT**

● **SCOUTS**

Segovia

◦ Scout Leader (Official training from World Scout Movement)

◦ (2008) Member of the Spain national association (responsible of international events)