

# David CROS

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## SUMMARY:

Aeronautic Engineer, passionate in Avionics and Navigation Systems.

## QUALIFICATIONS AND SKILLS:

- ✓ Languages:
  - High knowledge in English, writing and speaking.
  - Bilingual French and Spanish.
- ✓ Computing:
  - Basic knowledge of Windows Office tools including Microsoft Project Office and Visio.
  - Basic knowledge in programming with Matlab and Proteus Software.
- ✓ Hardworking and responsible, with good capacities to integrate quickly in a work team.
- ✓ Very good skills to work in an international member's team.
- ✓ Good capacity to stand calm in stressing situations.

## EXPERIENCE:

### **Consultant Engineer Jr at AKKA Aeroconseil-Toulouse (France) & Madrid (Spain).**

Consultant Engineer (August 2013 - January 2014 (Toulouse) ; January 2014 - July 2014 (Madrid)).

- Author responsible of the Aircraft Maintenance Manual and Trouble Shooting Manual for the aircraft programs:
  - A320 Family (SA).
  - A330/A340 Family (LR).
  - A380 (MB).
- Responsible of the ATA Systems: 21, 26 & 47 and the ATA Structures 55 & 32.
- Analysis of the SBs, MPMs, Concessions and determine the impact in the AMM & TSM manuals.
- Airbus and Airlines Support with the different queries.

### **Aeronautic technical Engineer: Air Traffic Navigation Management, Avionics and Electronic-Electric Branch- School of Aeronautic Engineering of the Madrid Polytechnic University -Madrid (Madrid).**

Final Project: Evaluation of the NASA Algorithm RR3D (2014)-Project evaluation rate: 10/10.

- Simulation of the Algorithm RR3D (Mathematical Model) with Matlab.
- Evaluation of the Algorithm in an En-Route Flight Scenario.
- Determination and evaluation of the results.
- Analysis of the Air Traffic Conflicts Severity A and B between 2012 and 2013 in the spanish air space.
- Analysis of the midd air accidents between 1958 and 2006:
  - Evaluation of the ATM system, pilot-ATC interface and the safety net.

**SAM (Safety Assessment Methodology) Course given by SAERCO in the school of Aeronautic Engineering of the Madrid Polytechnic University-Madrid (Spain)**

Participant Student (40 hours):

- Learning the Eurocontrol SAM program.
- Risks analysis and safety evaluations in different scenarios following the SAM program.

**BEST (Board of European Students of Technology) job Forum Corporate Relationships-Madrid (Spain)**

Volunteer (September 2012-May 2013):

- Contacting international companies to participate in the forum.
- Advise the different companies and keeping a regular contact.

**BEST Event on Education (Summer Course) Main Organizer-Madrid (Spain)**

Volunteer (September 2012-July 2013):

- Managing the different work teams and follow up the different tasks.
- Searching for European and local teacher participants and organizations.
- Keep in charge of the foreign students, visa services, lodgment.
- Look for sponsor companies and national and european grants.

**“Grupo de Teatro Dédalo” theater association of the Madrid Polytechnic University (Madrid).**

President. (June 2010-October 2012).

- Programming and Management of different theater activities to do among the school year.
- Updating data of the new incoming members.
- Writing several reports and budgets during the school year.
- Continuing keeping a good atmosphere between all members, older and newer and solving successfully different troubles that have been appearing.

**“Grupo de Teatro Dédalo” theater association of the Madrid Polytechnic University (Madrid).**

Vice-president. (May 2009 to June 2010).

- Programming and Management of different theater activities to do among the school year.
- Management of the different theater pieces for the theater festival.
- Enforcement of the good relationship between all members of the group, even more the days before the representation with very good results.
- Programming with another members of the group, activities for the next school year.

**EDUCATION:**

- ✓ **Antonio Navarro Santafé-Villena (Alicante).**
  - Bachelor's Degree in Science and Technology (2006).
- ✓ **Professional Music School of Villena-Villena (Alicante)**
  - Elementary Degree (2003).
  - Advance Degree (2006).
- ✓ **Polytechnic University of Madrid-Madrid (Madrid)**
  - Technician Aeronautic Engineer: ATM, Avionics, Electronic & Electric Branch (2014).