



📍 Castrillo de Aza, 13, 28031 Madrid (Spain)
 ☎️ +34 913312610 📠 +34 626363983
 ✉️ psanchezibarzabal@gmail.com

Date of birth March 10th, 1991 | Nationality Spanish

PROFESSION

TECHNICAL AERONAUTICAL ENGINEER

WORK EXPERIENCE

June 2013 – July 2014

Testbed Support (Industria de Turbopropulsores S.A) (14 months)

- Aeronautical engines support (turbofan and turboprop) in testbed and troubleshooting.
- Adaptation and modification of test cell (software, hardware and civil) to PW100 engine.
- Design and modification of data acquisition system (DAS).
- Configuration and analysis of vibration test using Pulse Labshop of Brüel&Kjaer.
- Analysis and validation of engine test results.
- Responsible of optimization and automation of engine documentation using SAP and VBA.
- Relations with suppliers and manufacturers (Pratt&Whitney Canada, Honeywell, Brüel&Kjaer).

Season: 2011-2012

UPM Racing FSAE (Instituto Universitario de Investigación del Automóvil) (12 months)

- Study, design and manufacturing of a single-seater (aerodynamics and chassis).
- Material management and purchasing.

EDUCATION AND TRAINING

2009 – 2014

Technical Aeronautical Engineering focusing on Aircraft (Universidad Politécnica Madrid)

Excellent academic record.

Final Project: *Comparative study between two FSAE single-seaters: UPM 008 vs UPM 009* focusing on external aerodynamics on CFD (9 out of 10).

March 2014

Vibration Course (Brüel&Kjaer, Madrid)

Introduction to vibration, measurement tools (accelerometers, transducers, shakers), structural test.

PERSONAL SKILLS

Languages

English: Fluent
French: Intermediate

Communication skills

- Good command for working as a team gained through my experience at ITP and UPM Racing.
- Good skills of interaction and communication (both English and Spanish) due to my experience at ITP.
- Good writing skills (both English and Spanish).

Organisational / managerial skills

- Good adaptation to new challenges and to work under pressure in projects with ambitious deadline and good command for reaching all my goals.
- Leadership and good organisational skills in teamwork.

Computer skills

- Good command of: **CFD Software** (Ansys Fluent 12.1), **Computer Design, Assembly and Drafting** (Catia V5), **Microsoft Office tools and Visual Basic for application**, **Vibrations software** (Pulse), **Business Application** (SAP), **Desktop Remote** (Putty, VNC) and **Operating Systems** (Windows XP, Windows Vista, Windows 7 and Red Hat Linux).
- Basic knowledge of: **Automation** (PLC and Concept), **Programming** (Red Hat Linux) and **Microsoft Project and Visio**.

Additional information

English Course level B2 at International House Madrid (2013).
 Private Lessons for students from 2009 to 2014.
 Basketball Coach Course (2010).
 Open Water Dive Course (2009).
 Lifeguard Course (2009).

Driving licence

B (own car).

References

Juan Manuel Ramiro García: Chief Supply Chain Engineer (Industria de Turbopropulsores)
juanm.ramiro@itp.es
 Victor Manuel Viñuelas Vallecillo: Chief Testbed Engineer (Industria de Turbopropulsores)
victor.vinuelas@itp.es
 Natalia Pascual Madrigal: Testbed Engineer (Industria de Turbopropulsores)
natalia.pascual@itp.es