



## Personal information

Name / Surname	<b>Pérez-Huertas, Daniel</b>
Address	Alicante, Spain
Telephone	620168645
Personal Email	dapehue@gmail.com
Nationality	Spanish
Date of birth	Jan 31 1987
Gender	Male

## Work experience

Date	2019 – Present
Occupation or position held	<b>Head of Algorithms</b> at <b>Embention</b> , Alicante (Spain) <ul style="list-style-type: none"> <li>– R&amp;D, team coordination, task prioritization, long-term strategy planning, DO-178 certification</li> </ul>
Date	2017 – Present
Occupation or position held	<b>UAV Embedded Software and GNC Engineer</b> at <b>Embention</b> , Alicante (Spain) <ul style="list-style-type: none"> <li>– Embedded safety critical (DAL-B) real-time C++ development following JSF C++ Coding Standard</li> <li>– R&amp;D in UAV guidance, navigation and control algorithms (Sensor fusion for state estimation, adaptive control, route planning, obstacle avoidance, etc.)</li> <li>– Systems simulation with MATLAB &amp; Simulink</li> <li>– Digital electronics (microcontrollers, industrial communication buses)</li> <li>– DO-178, generation of technical documentation, testing and customer support</li> </ul>
Date	2011 – 2017
Occupation or position held	<b>GNSS Project Engineer</b> at <b>GMV Aerospace &amp; Defence</b> , Madrid (Spain) <ul style="list-style-type: none"> <li>– Global Navigation Satellite Systems (GPS, GLONASS, Galileo, WAAS, SBAS) performance analysis in collaboration with the European Space Agency and Thales Alenia Space</li> <li>– Safety critical C++ development (DAL-B)</li> <li>– Generation and control of a SBAS signal (SBAS for Africa and SBAS for Australia &amp; New Zealand projects)</li> <li>– Technical documentation &amp; testing following aerospace standards (ECSS)</li> <li>– R&amp;D, participation in papers and conferences</li> </ul>

Date  
Occupation or position held

2010 – 2011

**Research Engineer** at **Royal Institute of Technology**, Stockholm (Sweden)

- Research in control algorithms and dynamic system simulation
- Electronic board development
- Lab teaching assistant in control courses

## Education and training

Place and Date  
Title of qualification awarded

UNED (Madrid, Spain), 2012 – 2015

MSc Research in Electrical, Electronic and Industrial Control Engineering

Place and Date  
Title of qualification awarded

Royal Institute of Technology (Stockholm, Sweden), 2010 – 2011

Master Thesis in Automatic Control Department (Erasmus)

Place and Date  
Title of qualification awarded

Polytechnic University of Valencia (Valencia, Spain), 2005 – 2010

BSc + MSc in Industrial Engineering

## Personal skills and competences

Mother tongue  
Other language(s)

*Self-assessment  
European level<sup>(\*)</sup>*

**English**

### Spanish

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

<sup>(\*)</sup> Common European Framework of Reference (CEF) level

Social skills and competences

Very good social and interpersonal skills. Optimistic and creative.

Organisational skills and competences

Organized and methodical.

Technical skills and competences

Strong analytical thinking. Ability to synthesize and explain complex technical information. Good math & physics skills.

Computer skills and competences

- C++ senior developer
- MATLAB & Simulink
- Python
- LabView
- Version control: GIT, SVN
- Testing: VectorCAST, PRQA, Bash scripting
- AutoCAD
- SO: Windows, Linux
- Office
- $\text{\LaTeX}$

Driving licence(s)

Class B driving license

Personal interests

Science & Technology, especially those relating to space, physics and astronomy.  
History. Reading. Volleyball. Cycling. Travelling. Music.