Personal information

Name / Surname	**Pérez-Huertas, Daniel**
Address	Alicante, Spain
Telephone	(+34) 620168645
Personal Email	`dapehue@gmail.com`
Nationality	Spanish
Date of birth	Jan 31 1987

Work experience

Date
: 2019 – Present

Occupation or position held
: *Head of Algorithms* at **Embention**, Alicante (Spain)

- R&D, team coordination, task prioritization, DO-178 certification

Date
: 2017 – Present

Occupation or position held
: *UAV Embedded Software and GNC Engineer* at **Embention**, Alicante (Spain)

- Embedded safety critical (DAL-B) real-time C++ development following JSF C++ Coding Standard

- R&D in UAV guidance, navigation and control algorithms (Sensor fusion for state estimation, adaptive control, route planning, obstacle avoidance, etc.)

- Systems simulation with MATLAB & Simulink

- Digital electronics (microcontrollers, industrial communication buses)

- DO-178, generation of technical documentation, testing and customer support

Date
: 2011 – 2017

Occupation or position held
: *GNSS Project Engineer* at **GMV Aerospace & Defence**, Madrid (Spain)

- Global Navigation Satellite Systems (GPS, GLONASS, Galileo, WAAS, SBAS) performance analysis in collaboration with the European Space Agency and Thales Alenia Space

- Safety critical C++ development (DAL-B)

- Generation and control of a SBAS signal (SBAS for Africa and SBAS for Australia & New Zealand projects)

- Technical documentation & testing following aerospace standards (ECSS)

- R&D, participation in papers and conferences

| Date | 2010 – 2011 |
| Occupation or position held | ***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

Course	Machine Learning Course in COURSERA (Remote), 2020
Place and Date	UNED (Madrid, Spain), 2012 – 2015
Title of qualification awarded	MSc Research in Electrical, Electronic and Industrial Control Engineering
Place and Date	Royal Institute of Technology (Stockholm, Sweden), 2010 – 2011
Title of qualification awarded	Master Thesis in Automatic Control Department (Erasmus)
Place and Date	Polytechnic University of Valencia (Valencia, Spain), 2005 – 2010
Title of qualification awarded	BSc + MSc in Industrial Engineering

Personal skills and competences

Mother tongue	**Spanish**
Other language(s)	English
Self-assessment *European level*[(*)]	

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

[(*)] *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
- 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.