



Personal information

Surname(s) / First name(s) **Pérez-Huertas, Daniel**
 Address(es) **Alicante, Spain**
 Telephone(s) **620168645**
 Email(s) **dapehue@gmail.com**
 Nationality(-ies) **Spanish**
 Date of birth **Jan 31 1987**
 Gender **Male**

Work experience

Date Occupation or position held	2019 – Present Head of Embedded Software and Algorithms at Embention , Alicante (Spain) <ul style="list-style-type: none"> – Team coordination, task prioritization and long-term strategy planning
Date Occupation or position held	2017 – Present UAV Embedded Software and GNC Engineer at Embention , Alicante (Spain) <ul style="list-style-type: none"> – 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 Occupation or position held	2011 – 2017 GNSS Project Engineer at GMV Aerospace & Defence , Madrid (Spain) <ul style="list-style-type: none"> – 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
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(s)

Other language(s)

*Self-assessment
European level^(*)*

English

Spanish

English

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, specially the related with space, physics and astronomy. History. Reading. Volleyball. Cycling. Travelling. Music.
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