



Víctor Sánchez-Alonso

PhD in Mathematics and Systems and Control Engineering



EDUCATION

- Ph.D. in Mathematics cum laude and international 2014-2019. Universitat Politècnica (Valencia, Spain).
 - Dissertation: Building Life Sexual Partners Networks. Application in Studying the Transmission of the Human Papillomavirus (HPV). DOI: 10.13140/RG.2.2.29588.55680/1
- Pre-doctorate grant holder. 2017-2018. National Institute of Informatics (Tokyo, Japan).
 - Field: identification of specific objects in video and image.
- MS in Systems and Control Engineering. 2012-2014. Universidad Complutense (Madrid, Spain).
 - Final project: Random Networks, Transmission Dynamics of the Meningococcal C.
- BS in Computer Science. 2005-2008. Universidad Carlos III (Madrid, Spain).
- BS in Computer Engineering. 2001-2005. Universidad Complutense (Madrid, Spain).



EMPLOYMENT

- July 2019 - October 2019: RDT INGENIEROS (remote work).
 - Senior SW Engineer.
 - Design and implementation of complex mathematical models (thermal, electrical, aging) of electrical components.
- December 2011- July 2019: INDRA SYSTEMS Eurofighter Programme (Aranjuez, Spain)
 - Senior development engineer for avionics embedded systems.
 - Real time software (Integrity RTOS) development for Eurofighter Programme. Design and implementation of reliable algorithms for ACDC, DCDCs and Radar Aircraft systems.
- March 2010 - December 2011: INDRA SYSTEMS Outsourcing department (Madrid, Spain).
 - Software developer.
- October 2008 - December 2009: IDFA-DAFIL http://www.dafil.ie/about_us.html (Dublin, Ireland).
 - Software developer.
 - Transactional billing and security print (ISO 9000, ISO 27001).



SKILLS

- C++. 6+ years experience developing mathematical models for PhD.
- ADA95 (Integrity RTOS, embedded avionics SW). 9+ years experience at Indra.
- Python: Machine Learning, Deep Learning (Keras, Tensorflow, OpenCV).



LANGUAGES

- Spanish (native).
- English: level C1 CAE Cambridge University (fluent level written and spoken). 2 years working in Ireland.



ADDITIONAL INFORMATION

- Driving license. No ICE cars, electric scooter for medium distance.
- Easy going person, quick learner, proactive and enthusiastic, I might not know something so I challenge myself to learn about it.
- Crossfit lover, healthy food and eco-conscious.