Víctor, Sánchez Alonso

PhD in Mathematics and Systems and Control Engineering

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🎓 EDUCATION

PhD in Mathematics (cum laude & international) 2014-2019 @ Politécnica University (Valencia 🇪🇸).
- 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 🇯🇵).
- Field: identification of specific objects in video and image.

MS in Systems and Control Engineering 2012-2014 @ University Complutense (Madrid 🇪🇸).
- Final project: Random Networks, Transmission Dynamics of the Meningococcal C.

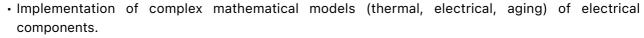**BS in Computer Science** 2005-2008 @ Carlos III University (Madrid 🇪🇸).

BS in Computer Engineering 2001-2005 @ Complutense University (Madrid 🇪🇸).

💼 EMPLOYMENT

Dec21: Superior Technical in Computing **@ Ministry of Economics Affairs and Digital Transformation**

Jul19 - Oct19: Senior SW Engineer @ **RDT INGENIEROS** (remote work 🏠).
- Implementation of complex mathematical models (thermal, electrical, aging) of electrical components.

Sep18 - Ago19: Associated Teacher @ **University King Juan Carlos** (🇪🇸)

Mar11- Jul19: Senior engineer for avionics embedded systems @ **INDRA** Eurofighter Programme (🇪🇸)
- Real time software (Integrity RTOS) development for Eurofighter Programme. Design and implementation of reliable algorithms for ACDC, DCDCs and Radar Aircraft systems.

Oct08 - Dec09: Software developer @ **IDFA-DAFIL** http://www.dafil.ie/about_us.html (Dublin, 🇮🇪).

SKILLS

- C++. 6+ years experience developing mathematical models for PhD and work.
- ADA95 (Integrity RTOS, embedded avionics SW). 9+ years experience at INDRA.
- Machine Learning, Deep Learning (Python).

LANGUAGES

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

ADITIONAL INFORMATION

- Driving license. No ICE cars, less carbon emissions.
- Easy going person, participant of good working environment, slow but steady learner, proactive and enthusiastic, I might not know something so I challenge myself to learn about it.
- Eco-conscious and STEM passionate.