

Experience

- 2021–Current **European GNSS Service Centre. Software Development Engineer**, GMV.
- Leader of development and deployment of NTRIP Caster into European GNSS Service Centre to facilitate final users connection to Galileo High-Accuracy Service
 - Skills Summary:
 - Socket Programming
 - NTRIP protocol
 - UNIX
 - Testing Frameworks
- 2020–2021 **Time and Geodetic Validation Facility. Software Development Engineer**, GMV.
- Responsible person of implementation and validation of *URA, User Ranging Accuracy* algorithm within TGVE-X infrastructure:
 - Skills Summary:
 - Algorithm implementation into C/C++
 - Data analysis
 - Development team member of *Time and Geodetic Validation Facility - Exploitation Phase* for *European Space Agency* responsible of optimize software modules to accomplish the customer requirements into an Agile environment
 - Skills Summary:
 - MATLAB optimization techniques
 - Bash scripting
 - Python scripting
 - CI/CD
 - Git
 - Maintaner of *Long-Term Analysis Facility* dashboard:
 - Skills Summary:
 - Data visualization (Kibana)
 - Elasticsearch
 - SQL
 - asdadad
- 2019–2020 **Galileo Reference Centre. Software Development Engineer**, GMV.
- Development team member of *Galileo Refence Centre* for *European GNSS Space Agency*
 - Skills Summary:
 - C/C++
 - Python scripting
 - Bash scripting
 - Jenkins
- 2015–2016 **Internship Software Engineer**, EDIBON.
- Development of SCADA systems
 - Skills Summary:
 - LabVIEW Programming
 - SCADA Systems HW & SW
 - TCP/IP Protocol
- 2012–2013 **Undergraduate Research Assistant**, CARLOS III UNIVERSITY.
- Development of Bias-T system to detect partial discharges into electric transformers
 - Skills Summary:
 - Hardware design
 - Measuring system characterization and development of self-calibrated module
 - Signal processing
 - LabVIEW Programming

Madrid – Spain

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📄 <https://ocriado91.github.io/>

Publications

- 2020 **Prototyping of Galileo URA Determination with TGVF and Extended Galileo Performance Characterisation for SoL Applications.** Galluzzo, G., Wallner, S., Pericacho, J.G, Criado, O., García, C., Sobrero, F.J., Brieden, P., Binder, K., Battista, G., Odriozola, M., Nuckelt, A., Joly, D., Canestri, E., Stallo, C., Sgammini, M., Martini, I., Mabillean, M., Castrillo, N., Proceedings of the 33rd International Technical Meeting of the Satellite Division of The Institute of Navigation (ION GNSS+ 2020), , September 2020, pp. 1462-1475.

Masters Thesis

Title *Analysis & Design of Memory Cells Hardened Against Radiation*
Supervisors Doctor Pablo Ituero Herrero
Description It is exposed the radiation sources and effects on electronics systems, as well as, the state of the art of hardening techniques in volatile memory cells for space applications

Education

- 2016–2017 **M.Sc. in Electronic Systems Engineering**, *Universidad Politécnica de Madrid*, Madrid.
2013-2015 **Physics Degree**, *Universidad Complutense de Madrid*, Madrid.
2009-2014 **Industrial Electronics and Automation Engineering**, *Universidad Carlos III de Madrid*, Leganes, Madrid.

Computer skills

Advanced C/C++, PYTHON, Git, Subversion
Intermediate Linux
Basic SQL, Java

Languages

Spanish **Mothertongue**
English **Advanced** *Con conversationally fluent*

Interests

- Trail Running
- Climbing
- Vegan Cooking
- Orienteering

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