









Samuel Lopez Ruiz

Application Engineer

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About me

Telecommunication engineer with a main focus on high-frequency simulation. My main interests are related to computational electromagnetics, simulation, and automation.

Language Skills

Spanish: Mother tongue
English: C1*

**According to the Common European Framework of Reference for Languages (CEFR)*

Programming Skills



Experience

- 2018/- Lead Application Engineer *Ansys*
As a High-Frequency application engineer in Ansys, part of my job is to implement electromagnetic simulation solutions in engineering processes. PyAEDT main contributor.
- 2017/18 Antenna Engineer *TTI Norte*
Design of passive devices for satellite communication applications.
- 2013/17 RF Engineer *Yebes Observatory*
Design and measurement of components and systems in millimeter frequencies for radio astronomy and geospatial applications.

Education

- 2017/19 M.Sc. Telecommunication Engineering *UAH*
Focus on communication systems and electromagnetics simulations
Master thesis: *Desarrollo de sistemas alimentadores multihaz en ondas milimétricas para observaciones radioastronómicas simultáneas*
- 2013/17 B.Sc. Telecommunication Engineering *UAH*
Focus on communication systems
Bachelor thesis: *Optimización de elementos de RFID con aplicaciones para el seguimiento de juegos de azar*

Additional Courses

- 2021 Certified Product Owner. Certificant ID: 001110233. 12h
- 2020 Certified Scrum Master. Certificant ID: 001110233. 12h
- 2014 Vector Network Analysis and Spectrum Analysis Training. Keysight Technologies. 12h
- 2012 Seminar: CST MWS 40h
- 2011 Instrumental developments in Radio Astronomy. Summer Course of UNED (Guadalajara). 160h

Awards

- 2019 Rookie of the year in Ansys.
- 2017 First class award from the Telecommunications Engineers Association of Spain for the Master's degree thesis.
- 2017 Extraordinary Prize in Master's Degree in Telecommunications Engineering. Mark: 9.1 out of 10
- 2014 Third class award from the Telecommunications Engineers Association of Spain for the Bachelor's degree thesis.
- 2014 Extraordinary Prize in Bachelor's Degree in Telecommunications Engineering. Mark: 8.88 out of 10
- 2013 Collaboration grant from Education, Culture and Sport Ministry in the signal and communications department from University of Alcalá. Free competitive national grant for initiation to research.
- 2012 Madrid Community Excellence Scholarship. Free competitive grant of Madrid Community Universities for excellence academic records.

Interests

I am a very active person who performs regularly multiple team sports, such as football and running. I also enjoy travelling and getting to know different cultures, since I consider it a mind-opening experience.