Ander**Galisteo**

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Spain

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languages
English fluent
Spanish native
Basque native

programming
Matlab, C, assembly
C++, Python, Java
SQL, Javascript,
HTML, CSS
LaTeX

interests
professional: Embedded
systems, Resource
limited, Architecture
design, Visible Light
Communication,
Simulations, Teaching
personal: Guitar, Chess,
Riddles, Puzzles,
Reading, Music,
Electronics

experience

2022–Now   **Dojo Five**   Saint Paul, MN, US
Team Lead, Senior Firmware Engineer, Cybersecurity specialist
Working on a startup requires to wear multiple hats in multiple projects. Interacting with clients, designing roadmap for the team and taking care of the team members to achieve the ultimate goal: provide the maximum value to our customers.

2021–2022   **Dojo Five**   Saint Paul, MN, US
Senior Firmware Engineer, Cybersecurity specialist
Development of embedded projects using a wide range of technologies. Mentoring clients on how to develop cybersecure project in all the stages of the product life-cycle.

2020–2021   **IKERLAN**   Mondragón, Spain
Embedded Cybersecurity Industrial Researcher and Developer
In this role I work on improving the security of industrial systems and application in resource-limited environments to provide a more reliable access to them..

2016–2020   **IMDEA Networks Institute**   Madrid, Spain
Researcher and Developer
Researcher experienced on embedded systems for communication in the area of Visible Light Communication for IoT, creating battery-free devices, research platforms and real-world testbeds.

2018–2020   **University Carlos III of Madrid**   Madrid, Spain
Teaching Assistant
Teaching assistant for Networks and Communication Services and Computer Networks classes. Lectures, practical classes and labs were taught

2015–2016   **University of Houston**   Houston, USA
Teaching assistant, Researcher and Developer
Teaching assistant for Information Systems Application Development (Java) and Enterprise Application Development under Prof. Keith Lancaster's supervision. Researcher and Developer under Dr. George Zouridakin on the Biomedical Imaging Lab.

Fall 2014   **University of Navarra (Tecnun)**   San Sebastian, Spain
Teaching Assistant
Teaching assistant for Advanced C++ under Dr. Gonzalo Solas' supervision.

Sum. 2014   **Fraunhofer IIS**   Erlangen, Germany
Summer Internship, Researcher and Developer
Development of a wrapper to simulate ARM intrinsics with g++ under Mr. Thomas Dettbarn's supervision.

2012–2013   **University of Navarra (Tecnun)**   San Sebastian, Spain
Research assistant and Developer
Development of a telemetry system using Arduinos and ZigBee for formula student racing cars.

education

2021−Now	**Public and Social Impact program**	Fundacia
2021−Now	**Master in Public and Social Leadership**	UNIR
2021−Now	**AI specialist**	TheEgg
2021−2022	**Master of Business Administration** - MBA, top 10% of class	Quantic School of Business
2016−2020	**Ph.D.** in Telematics Engineering	University Carlos III Madrid & IMDEA Networks
Fall 2018/19	**Ph.D. intership** in the Information Technology department	Uppsala University
2015−2016	**M.Sc.** in Eng. Tech. Network Communication track	University of Houston
2014−2016	**M.Sc.** in Telecommunication Engineering	University of Navarra (Tecnun)
2010−2014	**B.Eng.** in Telecommunication System Engineering	University of Navarra (Tecnun)

projects

2016-2020	**Ph.D. Thesis Title:** VLC Networks for IoT and its Applications	IMDEA Networks
2016-2020	**Main developer of:** OPENVLC platform	IMDEA Networks
2016	**Master Thesis:** Preprocessing tools for a currently existing automated melanoma detection algorithm improvement	University of Houston
2014	**Senior Project:** A Modular and User-Friendly Platform for Acquiring GNSS Raw Data and Comparing Different Positioning Algorithms	University of Navarra

awards

2021	**Nova List**	Nova Talent
	Awarded to young professionals under 35 who will shape the future of Spain.	
2019	**MobiHoc Student Travel Grant**	U.S. National Science Foundation and SIGCOMM
	Awarded to selected students to co-fund attendance costs of MobiHoc conference	
2017	**CoNEXT Student Travel Grant**	U.S. National Science Foundation and SIGCOMM
	Awarded to selected students to co-fund attendance costs of CoNEXT conference	
2016	**Doctorate at Spanish Universities fellowship**	La Caixa
	Selected with other 19 students over 400+ candidates	
2016	**Altuning Pro award**	Altuning (foundation) and Kutxa (bank)
	One of the four winners with the most innovative ideas for Gipuzkoa	
2016	**COT Graduate Research day**	University of Houston
	2nd place winner in poster presentation category	
Fall 2015	**GRaSP**	University of Houston
	Selected to the annual Graduate Research and Scholarship Projects presentation	
2015	**Caja Rural de Navarrra Fellowship**	Caja Rural de Navarra (bank)
	Scholarship given to the best candidates doing a thesis abroad. Total of 50 given	
2014	**UNAV Award for Academic Excellence**	UNAV (university)
	Awards outstanding academic and professional performance. Total of 3 given	
2014	**Kutxabank Award for Academic Excellence**	Kutxa (bank)
	Award given to the student with the best academic record in each major that year	
2014	**Universidad de Navarra Scholarship**	Santander (bank)
	Scholarship given to the best candidate on the Telecommunication Engineering Master	

publications

Sep. 2020	Short paper (…), GALISTEO, Ander et al. **Non-linearity of LEDs for VLC IoT applications**	Mobicom Conference
June 2020	Long paper GALISTEO, Ander et al. **Two to Tango: Hybrid Light and Backscatter Networks for Next Billion Devices**	Mobisys Conference
June 2020	Long paper GALISTEO, Ander et al. **Filtering Visible Light Reflections with a Single-Pixel Photodetector**	SECON Conference
Feb. 2020	Long paper Bayens, Jona (…) GALISTEO, Ander et al. **A Cell-free Networking System with Visible Light**	Transactions on Networking (ToN)
July 2019	Demo GALISTEO, Ander et al. **Video Transmission Using Low-Cost Visible Light Communication**	Mobihoc Conference
April 2019	Long paper GALISTEO, Ander et al. **Research in Visible Light Communication Systems with OpenVLC1.3**	World Forum-IOT Conference
Dec. 2018	Long paper Bayens, Jona, GALISTEO, Ander et al. **DenseVLC: A Cell-Free Massive MIMO System with Distributed LEDs**	CoNEXT Conference
Feb. 2018	Short paper GALISTEO, Ander, et al. **OpenVLC1.2: Achieving Higher Throughput in Low-End Visible Light Communication Networks.**	WONS Conference
Dec. 2017	Long paper GALISTEO, Ander, et al. **Follow that Light: Leveraging LEDs for Relative Two-Dimensional Localization.**	CoNEXT Conference
Oct. 2017	Demo GALISTEO, Ander, et al. **OpenVLC1. 2 for Increased Data Rate with Embedded Systems.**	Proceedings of the 4th ACM Workshop on Visible Light Communication Systems

dissemination

Spring 2020	**3 dissemination Articles** Mathematical analysis of Covid-19 for the general public	Agencia SINC
April 2020	**Appearance in TV** Consultation as an expert regarding the Covid-19	RTVE and EITB
Mar. 2019	**Aula Ciencia** Scientific demo for young students	Aula ciencia Madrid
Mar. 2019	**Science Corner** Dissemination talk for the general public	Aula ciencia Madrid
Sep. 2018	**Elhuyar aldizkaria** Dissemination article about the blockchain in Elhuyar (in basque)	Elhuyar
Oct. 2018	**Naukas divulgación web** Dissemination article about the blockchain in Naukas (in spanish)	Naukas
Oct. 2018	**Ciencia en acción** Stand in Ciencia en Acción with a demo for young students	Villadecans
Mar. 2018	**Aula Planeta Ciencia** Demo in AULA Planeta Ciencia in Madrid	Madrid
Nov. 2017	**Invited talks** Sciencific dissemination talk for the general public	Week of the science of Madrid
March. 2017	**Seminario Junior** Sciencific dissemination talk for the general public	UC3M

others

Feb. 2018   **EWSN Conference** UC3M and IMDEA Networks
Local co-organizer of the International Conference on Embedded Wireles Systems
and Networks