

AnderGalisteo

contact

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languages

English fluent
Spanish native
Basque native

programming

Matlab, C, assembly
C++, Python, Java
SQL, Javascript,
HTML, CSS
L^AT_EX

interests

professional: Embedded systems, Resource limited, Architecture design, Visible Light Communication, Teaching Simulations, Teaching

personal: Guitar, Chess, Riddles, Puzzles, Reading, Music, Electronics

experience

- 2020–2021 **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 Zouridakis 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 **AI specialist** TheEgg
- 2021–Now **Master of Business Administration - MBA** 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 current 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 Awarded to young professionals under 35 who will shape the future of Spain.	Nova Talent
2019	MobiHoc Student Travel Grant Awarded to selected students to co-fund attendance costs of MobiHoc conference	U.S. National Science Foundation and SIGCOMM
2017	CoNEXT Student Travel Grant Awarded to selected students to co-fund attendance costs of CoNEXT conference	U.S. National Science Foundation and SIGCOMM
2016	Doctorate at Spanish Universities fellowship Selected with other 19 students over 400+ candidates	La Caixa
2016	Altuning Pro award One of the four winners with the most innovative ideas for Gipuzkoa	Altuning (foundation) and Kutxa (bank)
2016	COT Graduate Research day 2nd place winner in poster presentation category	University of Houston
Fall 2015	GRaSP Selected to the annual Graduate Research and Scholarship Projects presentation	University of Houston
2015	Caja Rural de Navarra Fellowship Scholarship given to the best candidates doing a thesis abroad. Total of 50 given	Caja Rural de Navarra (bank)
2014	UNAV Award for Academic Excellence Awards outstanding academic and professional performance. Total of 3 given	UNAV (university)
2014	Kutxabank Award for Academic Excellence Award given to the student with the best academic record in each major that year	Kutxa (bank)
2014	Universidad de Navarra Scholarship Scholarship given to the best candidate on the Telecommunication Engineering Master	Santander (bank)

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 Scientific dissemination talk for the general public	Week of the science of Madrid
March. 2017	Seminario Junior Scientific dissemination talk for the general public	UC3M

others

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