

Joseba Gorospe

Intelligent Transport Systems | Vehicular Communications | Artificial Intelligence

Profile —

I am a computer science and telecommunications engineer specialising in wireless vehicular communications and artificial intelligence. The variety of education and work experience that I have had so far has helped me to adapt to the demands of the job or the client. I have had experience developing product-oriented systems, implementing fast projects to meet short deadlines, or managing research contributions within H2020 projects. During these tasks, I always prefer to work in groups, even though I give the impression of being an introvert.

Contact -

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- GitHub: Gorospe
- Car Available, Driving License B

- Languages

Basque - Native Language

Spanish - Native Language

English - Professional Knowledge

- Technical Skills -



Programming Languages -



EDUCATION

2021- Ongoing	PhD (Expected end date: End 2024) V2X & Platooning & Artificial Intelligence Mondragon Unibertsitatea
2019-2020	Computational Engineering & Intelligent Systems Master Degree Euskal Herriko Unibertsitatea
2014-2019	Telecommunications System Engineering Bachelor Degree Mondragon Unibertsitatea
2014-2019	Computer Engineering Bachelor Degree Mondragon Unibertsitatea

I WORK EXPERIENCE

2021-Ongoing

Networking Doctoral Researcher

Mondragon Unibertsitatea

- V2X communications (Hardware & Simulation).
- Cooperative Driving.
- Artificial Intelligence.

2020

6 months

Artificial Intelligence Research Assistant

TECNALIA Research & Innovation

- Neural Network (NN) optimization.
- Integration of NN into embedded systems.
- Edge Computing.

2020

Data Analyst

6 months

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- Identify the client's typology.
- Data analysis with psychology experts.
- Machine Learning for clustering.

2018-2019

Software Developer

9 months

Ormazabal

- Development of a control system for Smart Grids
- Communication algorithm for data collection.
- Data management: Store, visualise, and report.

2016-2018

Wireless Network Researcher Assistant

22 months

Mondragon Unibertsitatea

- Wireless Network (6LoWPAN) for Smart Metering
- Linux driver implementation.

PUBLICATIONS

2024

Conference Performance Comparison of IEEE 802.11p and LTE-V2X Through Field-Tests and Simulations

J Gorospe, D García, E Mozo, S Hasan, MR Islam, AA Gómez, E Uhlemann.

2024 IEEE Vehicular Networking Conference (VNC), Kobe, Japan, 2024, 100,1109/VNC61989.2024.10576013

Conference Analyzing Inter-Vehicle Collision Predictions during Emergency Braking with Automated Ve-

2023 hicles

J Gorospe, S Hasan, MR Islam, AA Gómez, S Girs, E Uhlemann.

2023 19th International Conference on Wireless and Mobile Computing, Networking and Communications

(WiMob), Montreal, QC, Canada, 2023, pp. 411-418, @10.1109/WiMob58348.2023.10187826

Conference Prediction of Communication Delays in Connected Vehicles and Platoons

2023 S Hasan, J Gorospe, AA Gómez, S Girs, E Uhlemann.

2023 IEEE 97th Vehicular Technology Conference (VTC2023-Spring), Florence, Italy, 2023, pp. 1-6,

6010.1109/VTC2023-Spring57618.2023.10200902

Journal PlatoonSAFE: An Integrated Simulation Tool for Evaluating Platoon Safety

S Hasan, J Gorospe, S Girs, AA Gómez, E Uhlemann.

IEEE Open Journal of Intelligent Transportation Systems, vol. 4, pp. 325-347, 2023, 10.1109/O-

JITS.2023.3271608

Journal A Generalization Performance Study Using Deep Learning Networks in Embedded Systems

J Gorospe, R Mulero, O Arbelaitz, J Muguerza, MÁ Antón.

Sensors 2021, 21, 1031, @10.3390/s21041031

PROJECTS

Elkartek AutoTrust

National Grant agreement ID: KK-2023/00019.

2023-2025 • Verification of V2X Simulator with Real Environment measurements.

Elkartek AutoEv@l

National Grant agreement ID: KK-2021/00123.

• V2X developments in simulation environment (Plexe-veins).

• Integrate AI modules into V2X simulator.

• Technical reporting.

H2020 InSecTT: Intelligent Secure Trustable Things

International

Grant agreement ID: 876038.

2020-2023 • Design conduct and anal

• Design, conduct, and analyse V2X related field tests for 802.11p and C-V2X cohabitation.

 $\bullet\,$ Integration of 802.11p and 5G (Collaboration with Munster Technological University).

• Project management tasks: Face-to-face and follow-up meetings.

Technical reporting.

H2020 SCOTT: Secure Connected Trustable Things

International *Grant agreement ID: 737422.* 2017-2020 • Technical reporting.

Elkartek AutoLib

National Grant agreement ID: KK-2019/00035.

2020-2021 • Technical reporting.