Joseba **Gorospe**

PhD Student | 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

Born on 15/03/1996, Age 27

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Joseba Gorospe Jauregui

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Car Available, Driving License B

Languages

Basque - Native Language

Spanish - Native Language

English - Professional Knowledge

Technical Skills

V2X | Artificial Intelligence | Wireless Networks | OMNet++ | Veins | SUMO | Linux | Git | Embedded Systems | Tensorflow | Scikit-Learn

Programming Languages

C | Python | C++ | Matlab | R | Java | SQL

Soft Skills

Adaptability | Team Work | Autonomy | Problem Solving | Good listener | Patience

EDUCATION

2021-Ongoing
PhD (Expected end date: End 2024)
V2X & 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

WORK EXPERIENCE

2021-Ongoing
Networking Doctoral Researcher
Mondragon Unibertsitatea
- V2X communications (Hardware & Simulation).
- 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
6 months
Data Analyst
Fineco
- Identify the client's typology.
- Data analysis with psychology experts.
- Machine Learning for clustering.

2018-2019
9 months
Software Developer
Ormazabal
- Development of a control system for Smart Grids.
- Communication algorithm for data collection.
- Data management: Store, visualise, and report.

2016-2018
22 months
Wireless Network Researcher Assistant
Mondragon Unibertsitatea
- Wireless Network (6LoWPAN) for Smart Metering.
- Linux driver implementation.

PUBLICATIONS

Conference 2023
Analyzing Inter-Vehicle Collision Predictions during Emergency Braking with Automated Vehicles
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, doi:10.1109/WiMob58348.2023.10187826

Conference 2023
Prediction of Communication Delays in Connected Vehicles and Platoons
S Hasan, J Gorospe, AA Gómez, S Girs, E Uhlemann.
2023 IEEE 97th Vehicular Technology Conference (VTC2023-Spring), Florence, Italy, 2023, pp. 1-6, doi:10.1109/VTC2023-Spring57618.2023.10200902

Journal 2023
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, doi:10.1109/OJITS.2023.3271608

Journal 2021
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, doi:10.3390/s21041031

PROJECTS

Elkartek National 2023-2025
AutoTrust
Grant agreement ID: KK-2023/00019.
- Verification of V2X Simulator with Real Environment measurements.

Elkartek National 2021-2023
AutoEv@l
Grant agreement ID: KK-2021/00123.
- V2X developments in simulation environment (Plexe-veins).
- Integrate AI modules into the simulator.
- Help writing justifications.

H2020 International 2020-2023
InSecTT: Intelligent Secure Trustable Things
Grant agreement ID: 876038.
- Design, conduct, and analyse V2X measurements for 802.11p and C-V2X cohabitation.
- Integration of 802.11p and 5G (Collaboration with Munster Technological University).
- Participate in F2F and follow-up meetings.
- Write technical justifications.

H2020 International 2017-2020
SCOTT: Secure Connected Trustable Things
Grant agreement ID: 737422.
- Help writing justifications about V2X related activities (Joined at the end of the project).

Elkartek National 2020-2021
AutoLib
Grant agreement ID: KK-2019/00035.
- Help writing justifications about V2X related activities (Joined at the end of the project).