Jorge Peña Queralta

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Residence: Switzerland (B permit)
Citizenship: Spanish

Short Intro

CTO at DAAV. Working on micromobility-as-a-service through autonomous robotic wheelchairs.

Adjunct Professor (Docent) in Robotics and Machine Learning at the University of Turku, Finland.

Previously a Postdoc at ETH Zürich in robot learning and perception for autonomous navigation in crowds.

Links

Personal	`https://jopequ.github.io`
GitHub	`https://github.com/jopequ`
LinkedIn	`https://linkedin.com/in/jopequ`
ORCID	`https://orcid.org/0000-0003-3091-3217`
G Scholar	`https://scholar.google.com/citations?user=J1SHJeMAAAAJ`

Degrees & Titles

05.2024	**Docent (Adjunct Professor) in Robotics and Machine Learning**	University of Turku, Finland
2019 - 2022	**PhD (Tech) in Robotics and Autonomous Systems**	University of Turku, Finland
2016 - 2018	**M. Eng. in Electronics Engineering**	Fudan University, Shanghai, China
2016 - 2018	**MSc (Tech) in Information and Communication Technology**	University of Turku, Finland
2011 - 2016	**BSc in Physics Engineering**	Universitat Politècnica de Catalunya - CFIS, Barcelona, Spain
2011 - 2016	**BSc in Mathematics**	Universitat Politècnica de Catalunya - CFIS, Barcelona, Spain

Current Position

07/24 - *present*	**CTO | Technology Team Lead**	DAAV | Hybrid, Switzerland
	Leading technology development for autonomous wheelchairs as a service.	

Previous Experience

07/23 - 06/24	**Postdoctoral Researcher**	SMS Lab, ETH Zürich, Switzerland
08/22 - 06/23	**University Teacher**	Faculty of Technology, University of Turku, Finland
08/18 - 07/22	**Project Researcher**	Faculty of Technology, University of Turku, Finland
06/16 - 08/16	**Junior Multimedia Developer & Machine Learning Researcher**	Psycle Interactive, Whitchurch, UK
09/15 - 02/16	**Enterprise Risk Services - IT Consultant - Assistant**	Deloitte Spain, Barcelona, Spain

Language Skills

Spanish	**Mother tongue**	English	**Full professional proficiency**
Catalan	**Mother tongue**	Chinese	**A2 (Mandarin)**

Research Output

70+ peer-reviewed publications (H-Index of 30 according to Google Scholar)

Other Academic Merits

Activities in the academic community

- Junior Co-Chair of the TC on Multi-Robot Systems (TC MRS) of IEEE RAS from 10.2023.
- Associate Editor in the Frontiers in the Internet of Things Journal, section Artificial Intelligence of Things from 09.2023.
- Short presentation at the 2022 ROSCon (ROS Developers Conference) in Kyotop, Japan.
- Invited speaker at the Science and Technology Department of the Swiss government (DEFTECH) event on "GNSS-denied navigation and localization". August 2021.
  (`https://deftech.ch/non-satellite-navigation-august-25th-2021/`)
- Presentation on Blockchain-powered robot swarms at the 2nd Symposium on Blockchain for Robotics and AI, MIT Media Lab. December 2020.
  (`https://www.blockchainrobotics.org/`)

Awards and Prizes

2024	**SNSF Swiss Postdoctoral Fellowships (SPF)**
2024	**ICRA 2024 Assistive Systems Workshop | Best Paper Award**
2023	**ENRICH Challenge | Team Leader | UAV Mapping Winner**
2021	**Finnish Foundation for Technology Promotion | Research Grant**
2021	**TII Robotics Research for Tomorrow's Technology (R2T2) Seminar | Best Paper Award**
2021	**IEEE ICAS Conference | Best Student Paper Award (co-author)**
2020	**Nokia Foundation Scholarship | Research Grant**
2020	**Research Visit to EPFL, Switzerland | Terrinet Grant**
2019	**Nokia Foundation Scholarship | Research Grant**
2019	**Research Visit to Seville University, Spain | Terrinet Grant**
2019	**2nd Prize (Team) in JDD Global Digitalization Challenge**
2016	**Shanghai Government Scholarship | Tuition waver + living stipend**
2013	**1st prize in UPC Mathematical Marathon | Team Prize**
2011	**Rotari Club Benidorm Grant, High School Honours**
2011	**1st prize in Regional Stage, Spanish Mathematics Olympiad**