

PAUL ROSERO

PERSONAL INFORMATION

NAME: Paul David Rosero-Montalvo
GENDER: Male
PLACE AND DATE OF BIRTH: Quito, Ecuador | 12 August 1990
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RESEARCH PROFILE: [ORCID](#), [Scopus](#), and [Google Scholar](#)
GITHUB: <https://github.com/puldavid87>

RESEARCH INTERESTS

Internet of Things, edge computing, hardware-constrained machine learning, tinyML, Wireless sensor networks, smart sensors, robot planing, intelligent embedded systems, computer vision, object detection, data annotations.

WORK EXPERIENCE

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| 01/2023- Present | Post. Doc in the Computer Science Department, IT University of Copenhagen, Denmark. Prof. Dr. Pinar Tozun.
Experience in: Embedded Python based software, machine learning, data annotation, computer vision and IoT. |
| 06/2021- 12/2022 | Post. Doc in the Computer Science Department, IT University of Copenhagen, Denmark. Prof. Dr. Zsolt Itsván
Experience in: Machine learning, computer vision, bus communication protocols, IoT, AI, hardware acceleration. |
| 03/2017- 03/2021 | Assistant professor in the Applied Science Department, Technical University of the North, Ecuador.
Experience in: Robots, AI, machine learning, AWS and IoT. |
| 03/2015- 03/2017 | Teaching Assistant in the Applied Science Department, Technical University of the North, Ecuador.
Experience in: Electronics, C, IoT, ML and Logic gates. |
| 06/2015- 06/2021 | Part-time lecturer in the TI Department, Technological Institute 17th of July, Ecuador.
Experience in: Electronics, and, machine learning. |
| 04/2013- 06/2015 | Research Assistant in the Math Department, Technical University of the North, Ecuador.
Experience in: Electronics. |

SCIENTIFIC EDUCATION

2020	COMPUTER SCIENCE, Ph.D. University of Salamanca Grade: summa cum laude
2017	INFORMATION SYSTEMS MANAGEMENT, Master's degree Universidad de las Fuerzas Armadas-ESPE, Ecuador
2013	ELECTRONIC AND TELECOMMUNICATIONS, Engineering Technical University of the North, Ecuador

SKILLS

Programming	Frameworks	Hardware	Qualifications
Python	TensorFlow / Keras	Microcontrollers	Linux
MicroPython	LABView	Edge devices	Embedded Linux
Verilog HDL	PyTorch	Digital Signal processors	Wi-Fi Protocols
C++	CodeVision / Proteus	Sensors	PCB design
AVR Assembler	Vitis	Robots	Cloud services (AWS)

Edge devices: Arduino/NVIDIA/ESP32/CORAL/FPGAs.

Wi-Fi Protocols: TCP/LORA/BLUETOOTH/RF

PROFESSIONAL ACTIVITIES

Guest Editor: | MPDI Electronics: Low-Power AI Embedded Systems

Reviewer: | Journals: MDPI Sensors, MDPI Information, MDPI Applied Sciences, MDPI Electronics.

INTERNATIONAL CERTIFICATIONS

CISCO NETWORK ACADEMY	INSTRUCTOR: NETWORK FUNDAMENTALS INSTRUCTOR: ROUTING AND SWITCHING FUNDAMENTALS INSTRUCTOR: ROUTING AND SWITCHING NETWORK SCALING INSTRUCTOR:ROUTING AND SWITCHING CONNECTING NETWORKS
LINUX PROFESSIONAL INSTITUTE	INSTRUCTOR: LINUX ESSENTIALS
NATIONAL INSTRUMENTS	LABVIEW CORE I - II EMBEDDED -FPGA-ELVIS

REFERENCES

Diego Hernán Peluffo-Ordóñez, PhD. Professor
Mohammed VI Polytechnic University-Morocco
E-mail: diego.peluffo@sdas-group.com

Vivian Félix López-Batista , PhD. Professor
Universidad de Salamanca-Spain
E-mail: vivian@usal.es

Pınar Tözün, PhD Associate Professor
IT University of Copenhagen, Denmark
E-mail: pito@itu.dk

Zsolt István, PhD Full Professor
Distributed Systems and Networking at the Technical University of Darmstadt, Germany
E-mail: zsolt.istvan@tu-darmstadt.de

Wilmar Hernández, PhD Full Professor
Universidad de las Américas UDLA, Ecuador
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