

Marco Pérez Hernández

MULTI-AGENT SYSTEMS · LEARNING · COORDINATION · CONTROL

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Education

PhD in Computer Science

UNIVERSITY OF LEICESTER

Leicester, U.K.

Sep. 2013 - Mar. 2018

- Thesis: Realising Relative Autonomy and Adaptation in Smart Objects Systems

Master of Business Administration

UNIVERSITY OF LOS ANDES

Bogotá, Colombia

Aug. 2004 - Mar. 2006

Systems Engineering - BEng.(Hons)

DISTRICT UNIVERSITY OF BOGOTÁ

Bogotá, Colombia

Jan. 1997 - Dec. 2002

Experience · Research/Academy

Senior Lecturer

UNIVERSITY OF THE WEST OF ENGLAND BRISTOL (UWE BRISTOL)

Bristol, UK

Nov. 2021 - Present

- Researcher in multiple projects playing different roles (See Projects section)
- Leader of the “AI Opportunities in Manufacturing” sessions as part of the Made Smarter programme.
- Leader of “Autonomous Agents and Multiagent System” & “Internet of Things” modules and teaching support in other AI, Data Science and Software Engineering modules.
- Supervision of UG, MSc and PGr projects and internships.

Research Associate

UNIVERSITY OF CAMBRIDGE

Cambridge, UK

Sep. 2018 - Nov. 2021

- Member of the Distributed Information and Automation Laboratory.
- Research on agent-based control, multi agent systems, complex networks and distributed artificial intelligence for telecom infrastructures.
- Research on agent-based modelling for logistic problems within the food supply chain.

Teaching Fellow

UNIVERSITY OF LEICESTER

Leicester, UK

Oct. 2017 - Aug. 2018

- Responsible of the modules: Distributed Systems and Applications (UG and MSc) and Human Computer Interaction (UG). Teaching support in: Software Engineering (UG) and Advanced Web Technologies (MSc). Supervisor of several UG and MSc dissertation projects.

Graduate Teaching Assistant (While completing my PhD)

UNIVERSITY OF LEICESTER

Leicester, UK

Oct. 2013 - Sept. 2017

- Teaching assistant of: Software Engineering (UG), Advanced Web Technologies (MSc), Distributed Systems (UG and MSc), Business Information Systems (MSc) and Statistics (UG).

Research Software Engineer

DISTRICT UNIVERSITY OF BOGOTÁ

Bogotá, Colombia

Jul. 2006 - Mar. 2008

- Project: SISAAB - Development of IS to support Food supplying and marketing in Bogotá city Conducting research on: Software components for product traceability

Associate Teaching Fellow

INCCA UNIVERSITY OF COLOMBIA

Bogotá, Colombia

Aug. 2007 - Feb. 2008

- Responsible of Software Engineering (UG) and IT Management (UG) modules.

Experience · Industry

Sr Technology Consultant

EVERIS SPAIN S.L. - NTT DATA

Madrid, Spain

Apr. 2008 - Aug. 2013

- I led the Global IT Processes definition for Telefonica/O2 and supported the deployment/change management in several OBs spanning Spain, Czech Republic and Argentina, among others.
- I was responsible of the monitoring and tracking of one strategic IT programme for Enagas S.A.
- I led the project for certification of everis under ISO/IEC 2000
- Team leader in the development of the back office solution for Globalia S.A.

Project Leader

INDUDATA LTDA.

Bogotá, Colombia

Jan. 2006 - Jun. 2006

- Definition of User Acceptance Tests for a tailored financial solution for securitizing mortgage loans.

Freelance Analyst

TRANSPARENCY INTERNATIONAL CHAPTER COLOMBIA

- Result & Data Analysis for the “Departmental Transparency Index 2004-2005”

Bogotá, Colombia

Dec. 2005 - Jan. 2006

Software Engineer

INDUDATA LTDA.

- Multiple offshore projects for clients such as ConocoPhillips, CharmingShoppes, GECapital & Clover Park School District

Bogotá, Colombia

Jan. 2002 - Aug. 2004

Selected Projects

GLOW-Energy nested bio system flows: from the home to the hub

U. OF STRATHCLYDE, U. OF THE WEST OF ENGLAND, U. OF BATH, U. OF BRISTOL

EPSRC Digital Economy

Co-Investigator (2023 - 2025)

Researcher (2022-2023)

Evaluating the performance of LLM (Large Language Model) Agents in coding tasks

U. OF THE WEST OF ENGLAND BRISTOL

UWE CATE Funding Scheme

Principal Investigator (2024)

Group Configurations in Artificial Multiagent Systems for the Management of Digital Infrastructures

U. OF THE WEST OF ENGLAND BRISTOL

Vice-Chancellor's EC Research Award 2022-23

Principal Investigator (2022 - 2023)

Next Generation Digital Infrastructures NG-CDI

BT, U. OF LANCASTER, U. OF CAMBRIDGE, U. OF SURREY, U. OF BRISTOL

EPSRC Prosperity Partnership

Researcher (2022 - 2023)

Researcher Associate (2018 - 2022)

Definition & Deployment of Global IT Processes (To-Be)

TELEFONICA/O2 GROUP, EVERIS SPAIN S.L. - NTT DATA

Telefonica Global Technology (TGT)

Senior Consultant (2010-2013)

Publications

Dynamic list available [HERE](#).

Certifications

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|---------------------------------|---|
| Higher Education Academy | Fellow - 2023 |
| SCRUM Alliance | Certified SCRUM Master - 2012 |
| ISACA | Certified Information Systems Auditor (CISA) - 2011 |
| ISO | Certified ISO 20000 Consultant - 2010 |
| ITSM - EXIN | ITIL V3 (ITIL V2 + Bridge) Service Management Foundation - 2009 |
| ISACA | COBIT Foundation - 2008 |