

Marco Pérez Hernández

SENIOR LECTURER IN COMPUTER SCIENCE

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Education

PhD in Computer Science

UNIVERSITY OF LEICESTER

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

Leicester, U.K.

Sep. 2013 - Mar. 2018

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 - Academy

Senior Lecturer in Computer Science

UNIVERSITY OF THE WEST OF ENGLAND (UWE)

- Researcher in multiple UWE and EPSRC funded projects playing different roles (See *Research Projects* section)
- Module Leader of “Autonomous Agents and Multiagent Systems”.
- Supervision of UG and MSc. students, support to several modules of the Computer Science cluster.

Bristol, UK

Nov. 2021 - Present

Research Associate

UNIVERSITY OF CAMBRIDGE

- Distributed Information and Automation Laboratory

Conducting research on:

- Agent-based control, multi agent systems, complex networks and distributed artificial intelligence for telecom infrastructures.
- Agent-based modelling for logistic problems within the food supply chain.

Cambridge, UK

Sep. 2018 - Nov. 2021

Teaching Fellow

UNIVERSITY OF LEICESTER

- 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.

Leicester, UK

Oct. 2017 - Aug. 2018

Graduate Teaching Assistant (While completing my PhD)

UNIVERSITY OF LEICESTER

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

Leicester, UK

Oct. 2013 - Sept. 2017

Research Software Engineer

DISTRICT UNIVERSITY OF BOGOTÁ

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

Bogotá, Colombia

Jul. 2006 - Mar. 2008

Associate Teaching Fellow

INCCA UNIVERSITY OF COLOMBIA

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

Bogotá, Colombia

Aug. 2007 - Feb. 2008

Experience - Industry

Sr Technology Consultant

EVERIS SPAIN S.L. - NTT DATA

- Multiple Software Engineering & IT Governance projects at: Telefonica/O2, Air Europa (Globalia) & Enagas S.A.

Madrid, Spain

Apr. 2008 - Aug. 2013

Project Leader

INDUDATA LTDA.

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

Bogotá, Colombia

Jan. 2006 - Jun. 2006

Software Engineer

INDUDATA LTDA.

- Multiple offshore projects for clients such as ConocoPhilips, Charming Shoppes, GECapital & Clover Park School District

Bogotá, Colombia

Jan. 2002 - Aug. 2004

Research Projects

Feasibility Of AI Techniques For Next Generation UAVs (2023 - Present)

UWE SEED PROJECT

Co-Investigator

GLOW-Energy nested bio system flows: from the home to the hub (2022 - Present)

EPSRC PROJECT

Supporting Academic

Group Configurations in Artificial Multiagent Systems for the Management of Digital Infrastructures (2022 - 2023)

VICE CANCELLOR'S EARLY CAREER RESEARCHER PROJECT

Principal Investigator

Next Generation Digital Infrastructures NG-CDI (2018 - 2023)

EPSRC PROSPERITY PARTNERSHIP: BT & UNIVERSITY OF CAMBRIDGE, AMONG OTHERS.

Supporting Academic & Research
Associate

IoT Systems to support operation of digital infrastructure (2020)

RESEARCH ENGLAND: PITCH IN PROGRAMME WITH UNIVERSITY OF CAMBRIDGE, AMONG OTHERS.

Research Associate

Digital Manufacturing In A Shoestring (2018 - 2019)

EPSRC: UNIVERSITY OF CAMBRIDGE, AMONG OTHERS.

Research Associate

em4so - Embedded Middleware for Smart Objects 2013 - 2018

UNIVERSITY OF LEICESTER

PhD Researcher

Honours & Awards

Vice Cancellor's Early Career Researcher Development Award 2022-23,

2022 £15K - Group Configurations in Artificial Multiagent Systems for the Management of Digital Infrastructures

Bristol, UK

Best presentation: "Software Architectures for the Autonomous IoT",

2016 Current Postgraduate Research in Computing, BCS Leicester Branch

Leicester, UK

2002 Best Graduate of the Engineering School,

2002 District University of Bogotá

Bogotá, Colombia

Merit Distinction for BEng Thesis,

2002 District University of Bogotá

Bogotá, Colombia

Professional affiliations

Data Champion

DEPARTMENT OF ENGINEERING

University of Cambridge

Mar. 2019 - Nov. 2021

Associate Fellow

AFHEA

Higher Education Academy

2016 - Present

Member

COMPUTER SOCIETY, INDUSTRIAL ELECTRONICS SOCIETY

IEEE

2010 - Present