

Marco Pérez Hernández

COMPUTER SCIENTIST · SYSTEMS ENGINEER

☎ (+44)7 466 520 303 | ✉ marco.perez@ieee.org

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

Teaching Experience

Undergraduate Internship Supervisor

UNIVERSITY OF CAMBRIDGE

- Supervisor of the project: IoT Systems to support operation of digital infrastructure. Responsibilities included teaching several fundamental concepts of software engineering including agile methodologies, DevOps, CI, system design, programming, testing, and version control.

Cambridge, UK

July. 2020 - Sept. 2020

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

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). Part of my job included: summative assessment, lab assistance, module material elaboration, workshop leadership and lecturing.

Leicester, UK

Oct. 2013 - Sept. 2017

Part-time Teaching Fellow

INCCA UNIVERSITY OF COLOMBIA

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

Bogotá, Colombia

Aug. 2007 - Feb. 2008

Part-time Teaching Fellow

EL BOSQUE UNIVERSITY

- Programme review and quality assurance for the school of engineering

Bogotá, Colombia

Oct. 2006 - Jul. 2007

Research Experience

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 - Present

PhD Researcher

UNIVERSITY OF LEICESTER

- Project: em4so - Embedded Middleware for Smart Objects
Conducting research on: Using services together with organisational and agents theory in the development of a middleware architecture supporting socio-cyber-physical autonomous systems.

Leicester, UK

Sep. 2013 - Sep. 2017

Research Software Engineer

DISTRICT UNIVERSITY OF BOGOTÁ

- Project: SISAAB - Development of IS to support Food supplying and marketing in Bogotá city
Conducting research on: Software components for product traceability (EPC, RFID and barcodes among others)

Bogotá, Colombia

Jul. 2006 - Mar. 2008

Industry Experience

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

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, Charming Shoppes, GECapital & Clover Park School District

Bogotá, Colombia

Jan. 2002 - Aug. 2004

Honours & Awards

- 2016 **Best presentation: "Software Architectures for the Autonomous IoT",**
Current Postgraduate Research in Computing, BCS Leicester Branch

Leicester, UK

- 2002 **2002 Best Graduate of the Engineering School,**
District University of Bogotá

Bogotá, Colombia

- 2002 **Merit Distinction for BEng Thesis,**
District University of Bogotá

Bogotá, Colombia

Professional affiliations

Data Champion

DEPARTMENT OF ENGINEERING

University of Cambridge

March. 2019 - Present

Associate Fellow

AFHEA

Higher Education Academy

2016 - Present

Member

COMPUTER SOCIETY, INDUSTRIAL ELECTRONICS SOCIETY

IEEE

2010 - Present

Member

ASSOCIATION FOR COMPUTING MACHINERY

ACM

2021 - Present

Knowledge & Skills

| | |
|--|--|
| OO & Functional programming | Scala, Java, Python, Groovy, JavaScript |
| Scientific Computing | Julia, Python, R |
| Platforms & frameworks | Docker, akka, Spring.io, Node.js, Mininet, Ryu NOS |
| Languages | Spanish (native) & English (fluent) |