

Matias Fernando GARCIA-CONSTANTINO

PERSONAL DATA

PLACE AND DATE OF BIRTH: Mexico City — 29 January 1983
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WORK EXPERIENCE

- MAR 2017 - CURRENT Research Associate at the SCHOOL OF COMPUTING OF ULSTER UNIVERSITY, Jordanstown, UK
Research on the area of Ambient Assisted Living (AAL) at the Smart Environments Research Group (SERG) as part of the Northern Ireland Connected Health Innovation Centre (NI-CHIC). NI-CHIC promotes business led collaborative Connected Health research between academia, industry and government. I have been involved in the following projects: Worktivity (a research-based mobile app to help reduce occupational sitting in office environments), iMPAKT (a research-based mobile app to collect and analyse data from Key Performance Indicators (KPIs) from nurses), a project to address Social Isolation in the elderly using sensors, and a project to use thermal images and data analysis for an early detection of Diabetic Foot Disease. I was awarded a Global Challenges Research Fund (GCRF) Building Capacity and Networking project grant to develop low-cost monitoring to assist people with dementia and their caregivers using smart microphones. The GCRF project was in collaboration with CICESE (Centro de Investigación y de Educación Superior de Ensenada) from Mexico.
- MAR 2015 - FEB 2017 KTP Associate at the COMPUTER SCIENCE DEPARTMENT OF THE UNIVERSITY OF LIVERPOOL and RIVERVIEW LAW, Bromborough, UK
Research on the use of Artificial Intelligence techniques to develop a software product to automate existing manual processes involving the identification, extraction and manipulation of data from certain types of legal documents. Data captured was then used by intelligent automatic visualisation and reasoning mechanisms. The research was part of a Knowledge Transfer Partnership (KTP) between the University of Liverpool and Riverview Law. In addition to the main KTP project, I also contributed with an Information Extraction software tool for Riverview Law and Vodafone's Project Swift.
- SEP 2013 - FEB 2015 Research Associate at the COMPUTING SCIENCE DEPARTMENT OF NEWCASTLE UNIVERSITY, Newcastle upon Tyne, UK
Research on the use of Data Mining techniques for understanding the behaviour of car drivers in real and simulated scenarios. The research was part of the Social Inclusion through the Digital Economy (SiDE) project and was aimed at developing predictive models that could improve the safety of drivers and other road users.
- JAN 2010 - MAY 2013 Demonstrator at the COMPUTER SCIENCE DEPARTMENT OF THE UNIVERSITY OF LIVERPOOL, Liverpool, UK
Part-time job in which I demonstrated practicals related to Computer Science subjects to undergraduate students in a laboratory.
- MAR - SEP 2009 Data Analyst and Programmer at CORPORACIÓN POWER BUILDERS, Mexico City, Mexico

Data Mining consulting company that offers analytical solutions to private companies and government

Took a course on the SAS programming language. I participated in a project in the area of business intelligence of Banamex, a subsidiary of Citigroup, by cleaning databases, optimising code, writing documentation and migrating data.

FEB - APR 2009 Java Instructor at CENTRO DE INVESTIGACIÓN CIBERNÉTICA, Mexico City, Mexico
Private institution that provides training on subjects related to Computer Science
Taught a 60-hour course on the Java programming language at a beginners/intermediate level.

SEP 2007 - OCT 2008 Junior Java Programmer at EMERK2 DESARROLLOS, Mexico City, Mexico
Consulting company specialised in creating Java applications under the J2EE standard
Started as a part of a training program funded by the Mexican government in which a software project was delivered. Later I participated as a database designer and programmer in other projects for companies such as Schneider Electric.

EDUCATION

OCT 2009 - SEP 2013 Doctor of Philosophy in COMPUTER SCIENCE,
University of Liverpool, Liverpool, UK
Department of Computer Science
Research area: Data Mining
Thesis: "On The Use Of Text Classification Methods For Text Summarisation"
Supervisor: Prof. Frans COENEN

MAY - OCT 2007 Postgraduate diploma in INFORMATION TECHNOLOGIES,
National Autonomous University of Mexico (UNAM), Mexico City

DEC 2001 - JAN 2007 Undergraduate degree in COMPUTER ENGINEERING,
National Autonomous University of Mexico (UNAM), Mexico City
Faculty of Engineering
Thesis: "Developing the AdSense module for the Schneider Electric Mexico portal"
Supervisor: Dr. Stalin MUÑOZ

PUBLICATIONS

2020 -M. Garcia-Constantino, J. Synnott, A. Ennis, J. Rafferty, C. Orr, I. Cleland, C. Shewell, C. Nugent, G. Morrison, L. Larkham, S. McIlroy and A. Selby. *Using A Smart Home In A Box To Monitor the Wellbeing of Residents with Dementia in Care Homes*. Journal paper. Journal of Medical Internet Research (JMIR), 2020. (Preprint).

-I. H. Lopez-Nava, L. M. Valentin-Coronado, M. Garcia-Constantino, and J. Favela. *Gait Activities Classification on Unbalanced Data from Inertial Sensors Using Shallow and Deep Learning*. Journal paper. Sensors, 2020.

- M. Ortiz-Barrios, C. Nugent, M. Garcia-Constantino, G. Jimenez-Delgado. *Identifying the Most Appropriate Classifier for Underpinning Assistive Technology Adoption for People with Dementia: An Integration of Fuzzy AHP and VIKOR Methods*. International Conference on Human-Computer Interaction (HCII2020), 2020.
- A. Stephenson, M. Garcia-Constantino, S. McDonough, M. Murphy, C. Nugent and J. Mair. *Iterative four-phase development of a theory-based digital behaviour change intervention to reduce occupational sedentary behaviour*. Journal paper. Digital Health, 2020.
- T. McCance, B. Lynch, C. Boomer, D. Brown, C. Nugent, A. Ennis, M. Garcia-Constantino, I. Cleland, D. Edgar, E. Radborn, and V. Wilson. *Implementing and Measuring Person-centredness using an APP for Knowledge Transfer: the iMPAKT App*. Journal paper. International Journal for Quality in Health Care, 2020.
- M. Garcia-Constantino, A. Konios, M. A. Mustafa, C. Nugent and G. Morrison. *Ambient and Wearable Sensor Fusion for Abnormal Behaviour Detection in Activities of Daily Living*. Proceedings of workshop. PervasiveHealth: Pervasive Computing Technologies for Healthcare. 18th IEEE International Conference on Pervasive Computing and Communications (PerCom2020), 2020.
- 2019 -I. H. Lopez-Nava, M. Garcia-Constantino and J. Favela. *Recognition of Gait Activities Using Acceleration Data from A Smartphone and A Wearable Device*. Proceedings of conference. 13th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI2019), 2019.
- N. Hernandez-Cruz, M. Garcia-Constantino, J. Beltran-Marquez, P. Hecker, J. Favela, J. Rafferty, I. Cleland, I. H. Lopez-Nava, B. Arnrich, and I. McChesney. *Prototypical System to Detect Anxiety Manifestations by Acoustic Patterns in Patients with Dementia*. Journal paper. European Alliance for Innovation (EAI) Transactions on PervasiveHealth 2019, 2019.
- D. Cruz-Sandoval, J. Beltran-Marquez, M. Garcia-Constantino, L. A. Gonzalez-Jasso, J. Favela, I. H. Lopez-Nava, I. Cleland, A. Ennis, N. Hernandez-Cruz, J. Rafferty, J. Synnott and C. Nugent. *Semi-automated Data Labeling for Activity Recognition in Pervasive Healthcare*. Journal paper. Intelligent Sensors Journal: Selected Papers from UCAmI2018 - The 12th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI2018), 2019.
- A. Konios, M. Garcia-Constantino, S.-R. G. Christopoulos, M. A. Mustafa, I. Ekerete, C. Shewell, C. Nugent and G. Morrison. *Probabilistic Analysis of Temporal and Sequential Aspects of Activities of Daily Living for Abnormal Behaviour Detection*. Proceedings of conference. 19th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC2019), 2019.

- S. Quinn, C. Saunders, I. Cleland, C. Nugent, M. Garcia-Constantino, J. Cundell, G. Madill and G. Morrison. *A Thermal Imaging Solution for Early Detection of Pre-ulcerative Diabetic Hotspots*. Proceedings of conference. 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC2019), 2019.
- N. Hernandez-Cruz, M. Garcia-Constantino, J. Beltran-Marquez, D. Cruz-Sandoval, I. H. Lopez-Nava, I. Cleland, J. Favela, C. Nugent, A. Ennis, J. Rafferty and J. Synnott. *Study Design of an Environmental Smart Microphone System to Detect Anxiety in Patients with Dementia*. Proceedings of workshop. DigiStress: Understanding the Interdependency between Stress and Digital Technologies. Pervasive Health 2019 - 13th EAI International Conference on Pervasive Computing Technologies for Healthcare, 2019.
- J. Rafferty, J. Medina-Quero, S. Quinn, C. Saunders, I. Ekerete, C. Nugent, J. Synnott and M. Garcia-Constantino. *Thermal Vision Based Fall Detection via Logical and Data driven Processes*. Proceedings of conference. 4th International Conference on Big Data, Cloud Computing, and Data Science Engineering (BCD2019), 2019.
- I. Ekerete, O. Giggins, M. Garcia-Constantino, C. Nugent and J. McLaughlin. *An Unobtrusive Measurement of Upper Extremity Velocity During Post-Stroke Rehabilitation Exercises*. Proceedings of conference. 2019 IEEE EMBS International Conference on Biomedical & Health Informatics (BHI2019), 2019.
- M. Garcia-Constantino, A. Konios, I. Ekerete, S.-R. G. Christopoulos, C. Shewell, C. Nugent and G. Morrison. *Probabilistic Analysis of Abnormal Behaviour Detection in Activities of Daily Living*. Proceedings of workshop. PervasiveHealth: Pervasive Computing Technologies for Healthcare. 17th IEEE International Conference on Pervasive Computing and Communications (PerCom2019), 2019.
- M. Garcia-Constantino, J. Beltran-Marquez, D. Cruz-Sandoval, I. H. Lopez-Nava, J. Favela, A. Ennis, C. Nugent, J. Rafferty, I. Cleland, J. Synnott and N. Hernandez-Cruz. *Semi-automated Annotation of Audible Home Activities*. Proceedings of workshop. ARDUOUS - 3rd International Workshop on Annotation of user Data for Ubiquitous Systems. 17th IEEE International Conference on Pervasive Computing and Communications (PerCom2019), 2019.
- 2018 -M. Garcia-Constantino, J. Synnott, C. Nugent, A. Burns, M. Little and D. Samson. *The Desirability of the Use of Technology to Prevent Social Isolation of Older Adults*. Proceedings of workshop. Digital Technology and Older People: Facilitating and Encouraging Safe and Fun Adoption. 32nd BCS Human Computer Interaction Conference (HCI2018). ACM 2018.
- M. Garcia-Constantino, C. Nugent, A. Stephenson, S. M. McDonough, M. H. Murphy and J. L. Mair. *User adoption of the Worktivity mobile app to help reduce occupational sedentary behaviour in an office environment*. Proceedings of workshop. Work in progress. 32nd BCS Human Computer Interaction Conference (HCI2018). ACM 2018.

- J. L. Mair, A. Stephenson, M. H. Murphy, S. M. McDonough, C. Nugent and M. Garcia-Constantino. *The effects of reducing occupational sedentary behaviour on employee mood and productivity*. Proceedings. 17th Annual Meeting of the International Society of Behavioral Nutrition and Physical Activity (ISBNPA2018), 2018.
- M. Garcia-Constantino, A. Konios and C. Nugent. *Modelling Activities of Daily Living with Petri nets*. Proceedings of workshop. Advanced Technologies for Smarter Assisted Living solutions: Towards an open Smart Home infrastructure (SmarterAAL). 16th IEEE International Conference on Pervasive Computing and Communications (PerCom2018), 2018.
- I. Cleland, M. P. Donnelly, C. D. Nugent, J. Hallberg, M. Espinilla and M. Garcia-Constantino. *Collection of a Diverse, Realistic and Annotated Dataset for Wearable Activity Recognition*. Proceedings of workshop. ARDUOUS - 2nd International Workshop on Annotation of user Data for Ubiquitous Systems. 16th IEEE International Conference on Pervasive Computing and Communications (PerCom2018), 2018.
- 2017 -J. L. Mair, A. Stephenson, S. M. McDonough, M. H. Murphy, M. Garcia-Constantino and C. Nugent. *The development and formative evaluation of the ‘Worktivity’ app: a behaviour change theory-based mobile app to reduce occupational sedentary behaviour*. Proceedings. 8th Conference of HEPA Europe (European network for the promotion of health-enhancing physical activity) (HEPA2017).
- M. Garcia-Constantino, K. Atkinson, D. Bollegala, K. Chapman, F. Coenen, C. Roberts and K. Robson. *CLIEL: Context-Based Information Extraction from Commercial Law Documents*. Proceedings. 16th International Conference on Artificial Intelligence and Law (ICAIL2017). ACM 2017, pp2047-2053.
- 2014 -M. Garcia-Constantino, P. Missier, P. Blythe and A. W. Guo. *Measuring the impact of cognitive distractions on driving performance using time series analysis*. Proceedings. 17th International IEEE Conference on Intelligent Transportation Systems (ITSC2014), pp2047-2053.
- 2012 -M. F. Garcia-Constantino, F. Coenen, P. Noble and A. Radford. *Questionnaire Free Text Summarisation Using Hierarchical Classification*. Proceedings. AI-2012: Research and Development in Intelligent Systems XXIX. Incorporating Applications and Innovations in Intelligent Systems XX. Springer 2012, pp35-48.
- M. F. Garcia-Constantino, F. Coenen, P. Noble, A. Radford and C. Setzkorn. *A Semi-Automated Approach to Building Text Summarisation Classifiers*. Journal paper. Journal of Theoretical and Applied Computer Science. Vol. 6, No. 4, pp. 7-23, 2012.
- M. F. Garcia-Constantino, F. Coenen, P. Noble, A. Radford and C. Setzkorn. *A Semi-Automated Approach to Building Text Summarisation Classifiers*. Proceedings. 8th International Conference on Machine Learning and Data Mining (MLDM2012). Machine Learning and Data Mining in Pattern Recognition. Lecture Notes in Computer Science 7376, Springer 2012, pp495-509.

- 2011 -S. Chua, F. Coenen, G. Malcom, and M. F. Garcia-Constantino. *Using Negation and Phrases in Inducing Rules for Text Classification*. Proceedings. AI-2011: Research and Development in Intelligent Systems XXVIII. Incorporating Applications and Innovations in Intelligent Systems XIX. Springer 2011, pp153-166.
- M. F. Garcia-Constantino, F. Coenen, P. Noble, A. Radford, C. Setzkorn, and A. Tierney. *An Investigation Concerning the Generation of Text Summarisation Classifiers using Secondary Data*. Proceedings. 7th International Conference on Machine Learning and Data Mining (MLDM2011). Machine Learning and Data Mining in Pattern Recognition. Lecture Notes in Computer Science 6871, Springer 2011, pp387-398.
- 2007 -P. Constantino-Casas, L. Torres-Arreola, C. Medecigo-Micete, A. Nevarez-Sida, F. Garcia-Contreras and M. Garcia-Constantino. *PHP14 Polypharmacy in Elderly Patients at the Mexican Institute of Social Security: Satisfaction and Costs*. Journal paper. Value in Health Journal. Elsevier 2007, Vol. 10, No. 3, ppA26.
- 2006 -F. Garcia-Contreras, P. Constantino-Casas, A. Nevarez-Sida, G. Del Angel Garcia, M. Garcia-Constantino and E. Rojas-Martinez. *PGI11 Economic Evaluation of the Pharmacological Therapy of Bleeding Esophageal Varices in Mexico*. Journal paper. Value in Health Journal. Elsevier 2006, Vol. 9, No. 6, ppA244.
- P. Constantino-Casas, F. Garcia-Contreras, A. Nevarez-Sida, G. Del Angel Garcia, E. Rojas-Martinez and M. Garcia-Constantino. *PND3 Cost-Effectiveness Analysis of Add-On Therapy in Partial Refractory Epilepsy in Mexico*. Journal paper. Value in Health Journal. Elsevier 2006, Vol. 9, No. 6, ppA374-A375.
- F. Garcia-Contreras, A. Nevarez-Sida, P. Constantino-Casas, E. Rojas-Martinez, M. Garcia-Constantino and G. Del Angel Garcia. *PND9 Cost Utility Analysis of Levodopa-Carbidopa vs Levodopa-Carbidopa-Entacapone in Parkinson Disease in Mexico*. Journal paper. Value in Health Journal. Elsevier 2006, Vol. 9, No. 6, ppA376.
- G. Del Angel Garcia, F. Garcia-Contreras, P. Constantino-Casas, A. Nevarez-Sida, N. Lopez-Gonzalez, M. Garcia-Constantino and M. Zuñiga. *PIH6 Economic Evaluation of Carbetocine for the Prevention of Uterine Atony in Patients with Risk Factors in Mexico*. Journal paper. Value in Health Journal. Elsevier 2006, Vol. 9, No. 6, ppA254.

CONFERENCES

- 2018 -UIC2019. 19th IEEE International Conference on Ubiquitous Intelligence and Computing. Leicester, England. 19-23 August 2019. Delegate and presenter of *Probabilistic Analysis of Temporal and Sequential Aspects of Activities of Daily Living for Abnormal Behaviour Detection*.

- EMBC2019. 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Berlin, Germany. 23-27 July 2019. Delegate and presenter of *A Thermal Imaging Solution for Early Detection of Pre-ulcerative Diabetic Hotspots*.
- PerCom2019. 17th IEEE International Conference on Pervasive Computing and Communications. Kyoto, Japan. 11-15 March 2019. Delegate and presenter of *Semi-automated Annotation of Audible Home Activities and Probabilistic Analysis of Abnormal Behaviour Detection in Activities of Daily Living*.
- 2018 -HCI2018. 32nd BCS Human Computer Interaction Conference. Belfast, Northern Ireland. 2-6 July 2018. Delegate and presenter of *The Desirability of the Use of Technology to Prevent Social Isolation of Older Adults and User adoption of the Worktivity mobile app to help reduce occupational sedentary behaviour in an office environment*.
- PerCom2018. 16th IEEE International Conference on Pervasive Computing and Communications. Athens, Greece. 19-23 March 2018. Delegate and presenter of *Modelling Activities of Daily Living with Petri nets and Collection of a Diverse, Realistic and Annotated Dataset for Wearable Activity Recognition*.
- Invited presentation of the talk entitled *Research at the Smart Environment Research Group (SERG) as part of the Northern Ireland Connected Centre (NI-CHIC)* at the Computer Science Department of Coventry University. Coventry, England. 2nd of March, 2018. Presenter.
- 2017 -ICAIL2017. 16th International Conference on Artificial Intelligence and Law. London, England. 12-16 June 2017. Delegate and presenter of *CLIEL: Context-Based Information Extraction from Commercial Law Documents*.
- Pervasive Health 2017. 11th EAI International Conference on Pervasive Computing Technologies for Healthcare. Barcelona, Spain. 23-26 May 2017. Delegate.
- 2015 -EARL2015. Effective Applications of the R Language Conference. London, England. 13-15 September 2015. Delegate.
- The Annual Riverview Law Horizon Scanning Seminar 2015. The Royal Society, London, England. 19 June 2015. Delegate.
- 2014 -IEEE-ITSC2014. 17th International IEEE Conference on Intelligent Transportation Systems. Qingdao, China. 8-11 October 2014. Delegate and presenter of *Measuring the impact of cognitive distractions on driving performance using time series analysis*.
- EARL2014. Effective Applications of the R Language Conference. London, England. 15-17 September 2014. Delegate.
- 2013 -DE2013: Open Digital. Digital Economy. MediaCityUK, Salford, England. 4-6 November 2013. Delegate.

- Data Analysis for Cyber Security Workshop at the University of Bristol. 25-26 March 2013. Delegate.
- 2012 -32nd SGAI International Conference on Artificial Intelligence (AI2012). Cambridge, England. 11-13 December 2012. Delegate and presenter of *Questionnaire Free Text Summarisation Using Hierarchical Classification*.
- 8th International Conference on Machine Learning and Data Mining (MLDM2012). Berlin, Germany. 16-20 July 2012. Delegate and presenter of *A Semi-Automated Approach to Building Text Summarisation Classifiers*.
- 2011 -31st SGAI International Conference on Artificial Intelligence (AI2011). Cambridge, England. 13-15 December 2011. Delegate and presenter of *Using Negation and Phrases in Inducing Rules for Text Classification*.
- Invited presentation of the talk entitled *Data Mining and its application in the extraction of knowledge from questionnaires* at the Faculty of Engineering of the National Autonomous University of Mexico (UNAM), Mexico City. 13th of September, 2011. Presenter.
- 7th International Conference on Machine Learning and Data Mining (MLDM2011). New York, USA. September 2011. Delegate and presenter of *An Investigation Concerning the Generation of Text Summarisation Classifiers using Secondary Data*.
- IX Symposium of Mexican Students and Studies in the UK at the University of Essex. 8-9 July 2011. Delegate.
- 2009 -29th SGAI (Specialist Group on Artificial Intelligence) International Conference on Innovative Techniques and Applications of Artificial Intelligence at Peterhouse College, University of Cambridge, UK. Delegate and part of local organisers group.
- Forum for AI Research Students (FAIRS) 09: The BCS SGAI (Specialist Group on Artificial Intelligence) Forum for Artificial Intelligence Research Students at the University of Cambridge, UK. Delegate.
- 2006 -ISPOR (International Society for Pharmacoeconomics and Outcomes Society) 11th Annual International Meeting at Marriott Philadelphia, Philadelphia, USA. May 2006. Delegate.

COMPUTER SCIENCE COURSES

- 2016 -GATE (General Architecture for Text Engineering) training course at the University of Sheffield, UK
- 2015 -SAS Content Categorization Studio training course at Riverview Law, UK
- 2010 -Data Mining Summer School at Maastricht University, The Netherlands
- 2009 -SAS programming language at Corporación Power Builders, Mexico
- 2008 -Use of the data base management system POSTGRESQL at the National Autonomous University of Mexico (UNAM)
 - Introduction to designing databases at the National Autonomous University of Mexico (UNAM)
 - Excel spreadsheet at the National Autonomous University of Mexico (UNAM)
 - Ajax with Java at Total Applications on Line
- 2007 -J2EE at Emerk2 Desarrollos
 - Advanced Java at Emerk2 Desarrollos
- 2006 -Workshop of preventive and corrective maintenance for PCs and laptops at the National Autonomous University of Mexico (UNAM)
- 2003 -Administration and security on Internet Information Service (IIS) at the National Autonomous University of Mexico (UNAM)
 - Security on Windows at the National Autonomous University of Mexico (UNAM)
 - Advanced administration of Windows at the National Autonomous University of Mexico (UNAM)
 - Basic programming with Visual Basic at the National Autonomous University of Mexico (UNAM)
 - Introduction to edition and digitalisation of image formats at the National Autonomous University of Mexico (UNAM)
- 2002 -Introduction to programming techniques at the National Autonomous University of Mexico (UNAM)
 - Linux Operating System at the National Autonomous University of Mexico (UNAM)
 - Introduction to Telecommunications at the National Autonomous University of Mexico (UNAM)

ACADEMIC COURSES

- 2011 -Career Management Skills at the University of Liverpool, UK
- Visual Presentations in Humanities and Social Sciences Workshop at the University of Liverpool, UK
- 2010 -Small Group Teaching Workshop at the University of Liverpool, UK
- Scientific Writing Workshop at the University of Liverpool, UK
- Graduate Teaching Assistant Workshop: Demonstrator Training at the University of Liverpool, UK
- 2009 -Thesis Writing Workshops for International Research Students at the University of Liverpool, UK

LANGUAGE COURSES

- 2016 -Mandarin Chinese Stage 2 at the University of Liverpool, UK
- 2015 -Mandarin Chinese Stage 1 at the University of Liverpool, UK
- 2015 -Italian Stage 1 at the University of Liverpool, UK
- 2014 -Elementary Chinese 1 at the Confucius Institute at Newcastle University, UK
- 2012 -Mandarin Chinese Stage 1 at the University of Liverpool, UK
- 2011 -A further introduction to Mandarin at the Liverpool Confucius Institute, UK
- 2010 -Introduction to Mandarin: Beginners at the Liverpool Confucius Institute, UK
- 2009 -English Classes for International Students and Staff Members at the University of Liverpool, UK
- 2008 -Chinese level 2 at the Asociación Cultural para la Investigación sobre Asia (ACIA), Mexico
- Chinese level 1 at the Asociación Cultural para la Investigación sobre Asia (ACIA), Mexico
- 2002 -Advanced English Communication Skills at the University of York, UK
- Advanced Language Development at the University of York, UK
- English Foundation Course at the University of York, UK
- English Language Course at the English Language Centre of York, UK
- 2001 -Fifth to seventh level of English courses at the Cultural University Centre (CUC), Mexico
- 2000 -First to fourth level of English courses at the Cultural University Centre (CUC), Mexico

AWARDS, SCHOLARSHIPS, GRANTS AND CERTIFICATIONS

- AUG 2018 - MAR 2019 Global Challenges Research Fund (GCRF) Building Capacity and Networking grant. Project entitled: “Low-cost monitoring to assist people with dementia and their caregivers using smart microphones”. This project was a collaboration between Ulster University and CICESE (Centro de Investigación y de Educación Superior de Ensenada) from Mexico. One of the main objectives of the project was to build a strong collaboration relationship between the Smart Environments Research Group (SERG) at Ulster University and researchers from CICESE.
- OCT 2016 PRINCE2 Practitioner certificate in Project Management. BCS, The Chartered Institute for IT, License 298991.
- OCT 2016 PRINCE2 Foundation certificate in Project Management. BCS, The Chartered Institute for IT, License 298984.
- OCT 2016 CMI Level 5 Award in Management and Leadership (QCF). Chartered Management Institute, License P04472226.
- JUN 2016 UK Driving Licence. Driver and Vehicle Licensing Agency (DVLA).
- APR - NOV 2014 ACTION 2014: Changing Age. Participated and won the first place of the ACTION 2014 programme at Newcastle University, aimed at “Addressing Societal Challenges through Enterprise”
- OCT 2009 - SEP 2013 National Council for Science and Technology (CONACYT) scholarship from the Mexican government

MEMBERSHIP OF PROFESSIONAL BODIES

British Computer Society (BCS), The Chartered Institute for IT - Associate Member

LANGUAGES

SPANISH: Mothertongue
ENGLISH: Fluent
CHINESE: Basic knowledge
ITALIAN: Basic knowledge

INTERESTS

Data Analysis
Internet of Things (IoT)
Connected Health
Pervasive Computing
Legal Technology
Artificial Intelligence
Natural Language Processing