

Jesus Alberto Rodriguez Perez

Education

2011–2017 **PhD in Information Retrieval (Thesis pending)**, University of Glasgow, UK.

Thesis Details

Title *Microblog Retrieval. Challenges and Opportunities*
Supervisor Professor Joemon M. Jose
Description Explores the problems faced by the state-of-the-art retrieval models when utilised under microblog ad-hoc retrieval conditions. A number of retrieval techniques were developed to improve ad-hoc retrieval performance of microblogs covering information retrieval areas such as: *retrieval models*, *automatic query expansion*, and *query performance prediction*.

Publications

- Jesus A. Rodriguez Perez, and Joemon M. Jose. “MBRM: A Microblog Retrieval Model” TOIS 2018. (Under Review).
- Jesus A. Rodriguez Perez, and Joemon M. Jose. “On Microblog Dimensionality and Informativeness” Proceedings of ICTIR 2015.
- Jesus A. Rodriguez Perez, and Joemon M. Jose. “Predicting Query Performance in Microblog Retrieval” Proceedings of the 37th ACM SIGIR conference. 2014.
- Jesus A. Rodriguez Perez, et al. “On using inter-document relations in microblog retrieval.” Proceedings of the 22nd international conference WWW 2013.

2006–2011 **Bsc in Computing Science**, University of Glasgow, UK.

Dissertation on collaborative search. Published as *CoFox: a visual collaborative browser* in CIKM2011 (<http://www.cikm2011.org/>)

Professional Experience

- 2015–Present **Data Specialist**, CREATE - School of Law, University of Glasgow, UK.
Provide data-driven solutions to copyright research problems, maintain IT infrastructures and design & develop software. Involved in numerous projects:
- **How Much Do Consumers Value Interoperability?** Research paper utilising web scrapped data on sales and reviews of DVD players to study the effects of DRM. (https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2998767)
 - **Online Media Behaviour Analytics.** A web tool to allow the interrogation and data extraction from Ofcom/IPO survey datasets on infringement and media consumption behaviour in the UK. (<http://www.create.ac.uk/omeba>)
 - **Intellectual Property - Oral History Project.** A web registry of IP related material. Developed the site from the ground up using NodeJS, React and other state-of-the-art web technologies. (<http://iporalhistory.co.uk>)
 - **Digitising the Edwin Morgan Scrapbooks.** Portal and annotation tool development. (www.digitisingmorgan.org)
 - **Litigation Explorer.** Web tool to interrogate a dataset of IP litigation cases from the small claims court in London. (<http://copyrightcentral.arts.gla.ac.uk/litexp>)
 - **Creative Output in a Market Context.** Real-time and multi-user evaluation platform to study the effects of creativity in a economics context.
 - **EU Hackathon.** Co-organiser of the challenges for the copyright-related 2016 EU Hackathon. (<http://2016.euhackathon.eu/>)
- 2015 **Search Engine Specialist**, Scoop Analytics, UK.
Built the initial search engine to provide ad-hoc search access to real-time tweets utilising a retrieval approach based on my thesis.
- 2011–2015 **University Tutor**, *Computing School*, University of Glasgow, UK.
Supervised multiple student groups. Evaluated and provided students with personalised help on their practical assessments
- 2009–2015 **Library Demonstrator**, *Computing Help Desk*, University of Glasgow, UK.
Ensured the smooth running of the library computing services and providing students with technical assistance.
- 2008 **Software Developer**, *Psychology Department*, University of Glasgow, UK.
Software development and data processing assistance on brain imaging data for a MoD-sponsored project supervised by Prof. Frank Pollick

Awards

- 2014 **First Prize (£20000) at Future Cities Hackathon 2014**, Glasgow.
Web tool to assess road quality, traffic and other road events. (Team of 5)
- 2013 **First and “people’s choice” prizes at Amazon Hackathon 2013**, Edinburgh.
Web application to map drug usage across the country from a NHS dataset. (Team of 3)

Computer skills

Web development	NodeJS, ReactJS, ExpressJS, MaterialUI, PHP, JQuery, SQL, XQuery, HTML5, CSS
Technologies	Hadoop, Weka (Machine Learning), Lucene, WordNet, Unity
Operating Systems	Advanced user of Debian-based distributions, Advanced Windows User

Languages

Spanish	Mothertongue
English	Fluent
French	Basic

Interests

- Gaming
- Climbing
- Martial Arts
- Games development
- Football
- Guitar