Alberto Poncelas Rodriguez

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Work Experience

Oct 2019 – Present	• **Postdoctoral Researcher** in ADAPT Centre, Ireland. Research is in the area of Machine Translation and Natural Language Processing. Investigation of indirect translation and sentiment classification. Technologies: Python, Pandas, Numpy, Spacy, Keras.
Oct 2015 – Sep 2019	• **PhD Researcher** in ADAPT Centre, Ireland. Research is in the area of Machine Translation and Natural Language Processing. Use of data-selection techniques and synthetic data generation for improving machine-translation. Technologies: OpenNMT, Python, Scala, C language.
Aug 2013 – Sep 2015	• **Big Data Engineer** in BEEVA. Projects involved: (i) Development of a tool for calculating the risks involved in the granting of loans;(ii) Data exploration using Spark and Scala; (iii) A client segmentation analysis using data mining techniques. Technologies: R and Hive; and (iv) Development of a tool based in intelligent agent ecosystem. Technologies: node.js and Neo4j.
Jun 2012 – Jul 2012	• **Software Developer** in LKS. Use of Oracle PL/SQL, Oracle Forms and Oracle Reports technologies
May 2011 – Aug 2011	• **Web Developer** in Sector04 Consultoría Y Soluciones Informáticas S.L. Web application development using the following technologies: PHP (CodeIgniter framework), HTML, jQuery, AJAX, CSS, MySQL

Education

2015 – 2019	• **Ph.D., Machine Translation** in Dublin City University, Ireland. Research in the area of Machine Translation. Thesis title: *Improving Transductive Data Selection Algorithms for Machine Translation*
2012 – 2013	• **M.Sc., Machine Learning** in University of the Basque Country, Spain. Thesis title: *Preprocess and data analysis techniques for affymetrix DNA microarrays using bioconductor: a case study in Alzheimer disease*
2009 – 2010	• **Erasmus study year** in École pour l'informatique et les techniques avancées (EPITA), France
2004 – 2011	• **B.Sc. Computer Science** in University of the Basque Country, Spain.

Certificates and Courses

2016 • **Machine learning** Coursera
https://www.coursera.org/account/accomplishments/certificate/5XKFZ85CN8U8

2014 • **Data Science Specialization** Coursera
https://www.coursera.org/account/accomplishments/specialization/3QEOAonkEe

Languages

- Native: Spanish
- Proficiency level: English
- Intermediate level: French, Basque
- Basic level: Serbian, German, Japanese

Miscellaneous

Academia

- Number of papers published: 22
https://scholar.google.com/citations?user=OHKfbi4AAAAJ
- Number of presentations: 10 (in international conferences and events for science outreach)
- Teaching Assistant of "Programming I" (2005-2008), "Data Structures and Algorithms" (2006) in University of the Basque Country.
- Teacher of "Statistical Machine Translation" (2019-2020) and "Machine Learning" (2020) in Dublin City University.

Volunteering Experience and Scientific outreach

2017 – 2019 • **Coordinator** All Ireland Linguistics Olympiad (AILO) and International Linguistics Olympiad (2017)

2017 – 2018 • **Spanish Teacher**

• **My Thesis in 3 in French**

2015 • **DL4MT Winter School: Deep Learning for Machine Translation** volunteer