Franco Salvador, Marc



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Valencia, 46009 Valencian Community Spain

Personal information

Nationality Spanish
Date of birth 06/05/1988

Phone (+34) 644 26 44 47, (+49) 01573 0342753

Websites | LinkedIn · Google Scholar

Vocational area

R&D in Multilingual Data Science, Analytics, and Mining · Machine and Deep Learning · Information Retrieval · Natural Language Processing

Education

2013–2017 Doctor of Philosophy (PhD), Computer Science, Universitat Politècnica de València, Spain

Final score: Excellent with "cum laude" distinction

PhD thesis: A Cross-domain and Cross-language Knowledge-based Representation of Text and its

Meaning

Advisor: Paolo Rosso

2011–2013 Master of Science (MSc), Artificial Intelligence, Pattern Recognition

and Digital Image, Universitat Politècnica de València, Spain

Avg. score: 8.7/10

MSc thesis: Cross-Language Plagiarism Detection using a Multilingual Semantic Network

Score: 10/10 - Cum laude Advisor: Paolo Rosso

2006–2011 Bachelor of Science (BSc), Computer Science Engineering (5-year degree), specialization in Artificial Intelligence, Universitat Politècnica de

València, Spain

Avg. score: 7/10

BSc final project: Voice-based web surfing

Score: 10/10

Advisor: Carlos D. Martínez Hinarejos

Professional Experience

n	Innovation Lead at Symanto Group, Valencia (Spain), https://www.symanto.net/ Reference: Dr. Yassine Benajiba, Director of Innovation - e-mail: yassine.benajiba@symanto.net Data scientist at Symanto Group, Valencia (Spain), https://www.symanto.
	Reference: Dr. Yassine Benajiba, Director of Innovation - e-mail: yassine.benajiba@symanto.net Data scientist at Symanto Group, Valencia (Spain), https://www.symanto.
R	Data scientist at Symanto Group, Valencia (Spain), https://www.symanto.
Dec. 2016 – I	
-	net/ Reference: Dr. Yassine Benajiba, Director of Innovation - e-mail: yassine.benajiba@symanto.net
	Research staff member at Pattern Recognition and Human Language Tech-
-	nology (PRHLT) Research Center - Universitat Politècnica de València, Valencia
	(Spain), http://www.prhlt.upv.es/
	Founded by the Spanish Ministry of Economy and Competitiveness 3-year R&D project (TIN2015-71147-C2-1-P) SOMEMBED - SOcial Media language understanding - EMBEDing contexts.
	Reference: Dr. Paolo Rosso, Associate Professor - Phone: $(+34)$ 96 387 7007 Ext.73571 - e-mail: prosso@dsic.upv.es URL: users.dsic.upv.es/ \sim prosso/
June 2016 – I	Data scientist at Symanto Group, Nuremberg (Germany), https://www.
Aug. 2016 s	symanto.net/
	Reference: Dr. Yassine Benajiba, Director of Research - e-mail: yassine.benajiba@symanto.net
•	Research staff member at Pattern Recognition and Human Language Tech-
	nology (PRHLT) Research Center - Universitat Politècnica de València, Valencia
,	(Spain), http://www.prhlt.upv.es/
F	Founded by: The Spanish Ministry of Economy and Competitiveness 2 year P&D project (TIN2015 71147 C2)
1	The Spanish Ministry of Economy and Competitiveness 3-year R&D project (TIN2015-71147-C2- -P) SOMEMBED - SOcial Media language understanding - EMBEDing contexts.
C	The Spanish Ministry of Economy and Competitiveness 3-year R&D project (MEC TIN2012-38603-C02-01) DIANA-APPLICATIONS - Finding Hidden Knowledge in Text.
p	Reference: Dr. Paolo Rosso, Associate Professor - Phone: $(+34)$ 96 387 7007 Ext.73571 - e-mail: prosso@dsic.upv.es URL: users.dsic.upv.es/ \sim prosso/
-	Research staff member at Itálica Research Group - Universidad de Sevilla,
June 2014 S	Seville (Spain), http://www.lsi.us.es/italica/
	Founded by the Spanish Ministry of Economy and Competitiveness 3.5-year R&D project (TIN2011-4726-E) Destilado de opiniones desde contenidos generados por usuarios.
	Reference: Dr. José Antonio Troyano Jímenez, Associate Professor - Phone: $(+34)$ 95 45 52777 - \cdot mail: troyano@us.es URL: www.lsi.us.es/ \sim troyano/
	Research fellow at Linguistic Computing Laboratory, Computer Science De-
-	partment, Sapienza University of Rome, Rome (Italy), http://lcl.uniroma1.
	it/index.html
	Founded by the 5-year ERC Starting Grant No. 259234 MultiJEDI: Multilingual Joint word sEnse DIsambiguation.
iş	Reference: Dr. Roberto Navigli, Associate Professor - Phone: $(+39)$ 064 925 51 61 - e-mail: navgli@di.uniroma1.it URL: www.users.di.uniroma1.it/ \sim navigli/
	Research staff member at Natural Language Engineering Lab, Department of
	Information Systems and Computing, Universitat Politècnica de València, Valen-
	cia (Spain), http://users.dsic.upv.es/grupos/nle/
1	Founded by the Spanish Ministry of Education and Science 4-year R&D project (CICYT TIN2009-3391-C04-03) TEXT-ENTERPRISE 2.0: Text comprehension techniques applied to the needs of the Enterprise 2.0.
	Reference: Dr. Paolo Rosso, Associate Professor - Phone: $(+34)$ 96 387 7007 Ext.73571 - e-mail: prosso@dsic.upv.es URL: users.dsic.upv.es/ \sim prosso/

Languages

0 0	
Spanish	Mother tongue
Catalan	Mother tongue
English	Professional working proficiency
Italian	Basic competence

Achievements and Awards

- First position in the International Workshop on Semantic Evaluation (SemEval) 2016, task 3: community question answering subtask B: question-question similarity.
- Winner of the MAVIR 2013 national prize to the best M.Sc. thesis on Language Technologies applied to Intelligent Systems of Access to the Multilingual and Multimedia Information.
 - Awarded by MAVIR Consortium. Ssponsored by Córex and DAEDALUS.
- 2013 M.Sc. thesis Cross-language Plagiarism Detection using a Multilingual Semantic Network, cum laude.
- 2013 Third prize winner in the poster session of PROMISE Winter School 2013.

Publications

- 2017 Rosa M. Giménez-Pérez, M. Franco-Salvador, and P. Rosso. Single and Cross-domain Polarity Classification using String Kernels. In Proc. of the 15th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2017), Valencia, Spain, 3-7 April, 2017, pp. n/a. (CORE A)
- M. Franco-Salvador, P. Gupta, P. Rosso, and R. E. Banchs. Cross-language Plagiarism Detection Over Continuous-space- and Knowledge Graph-based Representations of Language. In *Knowledge-Based Systems*, vol. 111, pp. 87-99. DOI: 10.1016/j.knosys.2016.08.004 (Impact Factor: 2.92)
- M. Franco-Salvador, P. Rosso, and M. Montes-y-Gómez. A Systematic Study of Knowledge Graph Analysis for Cross-language Plagiarism Detection. In *Information Processing & Management*, vol. 52(4), pp. 550-570. DOI: 10.1016/j.ipm.2015.12.004 (Impact Factor: 1.26)
- 2016 M. Franco-Salvador, S. Kar, T. Solorio, and P. Rosso. UH-PRHLT at SemEval-2016 Task 3: Combining Lexical and Semantic-based Features for Community Question Answering. In Proc. of the 10th International Workshop on Semantic Evaluation, SemEval '16, San Diego, California. Association for Computational Linguistics.
- F. Rangel, M. Franco-Salvador, and P. Rosso. A Low Dimensionality Representation for Language Variety Identification. In Proc. of the 17th International Conference on Computational Linguistics and Intelligent Text Processing (CICLing 2016), Springer-Verlag, LNCS(n/a), pp. n/a.
- M. Franco-Salvador, F. L. Cruz, J. A. Troyano, and P. Rosso. Cross-domain Polarity Classification using a Knowledge-enhanced Meta-classifier. In Knowledge-Based Systems, vol. 86, pp. 46-56. DOI: 10.1016/j.knosys.2015.05.020 (Impact Factor: 2.92)
- M. Franco-Salvador, F. Rangel, P. Rosso, M. Taulé, and A. Martí. Language Variety Identification using Distributed Representations of Words and Documents. In 6th International Conference of CLEF on Experimental IR meets Multilinguality, Multimodality, and Interaction (CLEF 2015), Springer-Verlag, LNCS(9283), pp. 28-40.

- 2015 M. Franco-Salvador, I. Bensalem, E. Flores, P. Gupta, and P. Rosso. PAN 2015 Shared Task on Plagiarism Detection: Evaluation of Corpora for Text Alignment. In CLEF 2015 Labs and Workshops, Notebook Papers. CEUR-WS.org, http://ceur-ws.org/Vol-1391/.
- 2015 M. Franco-Salvador, P. Rosso, and F. Rangel. **Distributed Representations of Words and Documents for Discriminating Similar Languages.** In *Proc. of the RANLP Joint Workshop on Language Technology for Closely Related Languages, Varieties and Dialects (LT4VarDial).*
- M. Franco-Salvador, P. Rosso, and R. Navigli. A Knowledge-based Representation for Cross-Language Document Retrieval and Categorization.

 In Proc. of the 14th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2014), Gothenburg, Sweden, 26-30 April, 2014, pp. 414-423. (CORE A)
- M. Franco-Salvador, P. Gupta and P. Rosso. Knowledge Graphs as Context Models: Improving the Detection of Cross-Language Plagiarism with Paraphrasing. In *Revised Papers PROMISE Winter School 2013*, Springer-Verlag, LNCS(8173), pp. 227-236.
- 2013 M. Franco-Salvador, P. Gupta and P. Rosso. **Graph-Based Similarity Analysis: A New Approach to Cross-Language Plagiarism Detection.** In Sociedad Española de Procesamiento del Languaje Natural (SEPLN), num. 50, pp. 21-28.
- M. Franco-Salvador, P. Gupta and P. Rosso. Cross-Language Plagiarism Detection using a Multilingual Semantic Network. In *Proc. of the 35th European Conference on Information Retrieval (ECIR 2013)*, Moscow, Russia, 24-27 March, 2013, Springer-Verlag, LNCS(7814), pp. 710-713. (CORE B)
- M. Franco-Salvador, P. Gupta and P. Rosso. Cross-language Plagiarism Detection Using BabelNet's Statistical Dictionary. In Computación y Sistemas, Revista Iberoamericana de Computación, ISSN 1405-5546, vol. 16, num. 4, pp. 383-390.

Research Internships

2015 National Institute of Astrophysics, Optics and Electronics (INAOE), Puebla, Mexico

Mentor: Dr. Manuel Montes-y-Gómez

Founded by the Web Information Quality Evaluation Initiative (WIQ-EI) IRSES 4-year project (grant no. 269180) within the FP 7 Marie Curie People Framework.

Date: Feb. - Mar. 2015

2014 International Institute of Information Technology (IIIT), Hyderabad, India

*During this internship I have been also research intern at Veooz - URL: www.veooz.com

Mentor: Prof. Dr. Vasudeva Varma

Founded by the Web Information Quality Evaluation Initiative (WIQ-EI) IRSES 4-year project (grant no. 269180) within the FP 7 Marie Curie People Framework.

Date: Oct - Dec. 2014

2012 Computational Research Center (CIC), Mexico D.F., Mexico & National Institute of Astrophysics, Optics and Electronics (INAOE), Puebla, Mexico

Mentor: Prof. Dr. Grigori Sidorov & Dr. Manuel Montes-y-Gómez

Founded by the Web Information Quality Evaluation Initiative (WIQ-EI) IRSES 4-year project (grant no. 269180) within the FP 7 Marie Curie People Framework.

Date: Nov - Dec. 2012

Tutorials

Dec. 2014 | Knowledge Graph-based Natural Language Processing.

International Workshop on Data and Text Analytics (DATA 2014), New Delhi, India

Invited talks

Jan. 2016	Knowledge Graph-based Cross-language and Domain Natural Language Processing. Symanto Group, Nuremberg, Germany.
Feb. 2015	Semantic Relatedness using Word Representations in Vector Space. National Institute of Astrophysics, Optics and Electronics (INAOE). Puebla, Mexico.
Jan. 2015	Learning text and word representation models. Language and Computation Center (CLiC), Universitat de Barcelona (UB), Barcelona, Spain
Nov. 2014	Using Knowledge graphs for Natural Language Processing. International Institute of Information Technology (IIIT), Hyderabad, India
Oct. 2014	Knowledge-based Cross-language Natural Language Processing. South Asian University (SAU). New Delhi, India.
Nov. 2012	Graph-based Similarity Analysis: A New Approach to Cross-Language Plagiarism Detection.
	Computational Research Center (CIC). National Polytechnic Institute. Mexico D.F., Mexico.
Dec. 2012	Cross-language Plagiarism Detection using a Multilingual Semantic Network. National Institute of Astrophysics, Optics and Electronics (INAOE). Puebla, Mexico.

Doctoral Consortium

June 2014 | Knowledge-based Cross-language Natural Language Processing.

Presented at V Jornadas de la Red Temática en Tratamiento de la Información Multilingüe y Multimodal (TIMM), Cazalla de la Sierra (Sevilla), Spain

Editorial Services to Scholarly Publications

Reviewer for several journals including: Artificial Intelligence; Information Sciences; Expert Systems With Applications; Journal of Intelligent and Fuzzy Systems; Language Resources and Evaluation; Natural Language Engineering.

Organising Committees

I have been member of the following Organising committees: Publication Co-Chair at *SEM 2015 (Joint Conference on Lexical and Computational Semantics).

Program Committees

I served as member of the following program and scientific committees: ACL 2017 (Annual Meeting of the Association for Computational Linguistics), TextGraphs@ACL 2017, KES 2017 (International Conference on Knowledge-Based and Intelligent Information & Engineering Systems), SemEval 2016 Task 3 - Community Question Answering (International Workshop on Semantic Evaluation 2016), TIR@DEXA 2017 (International Workshop on Text-based Information Retrieval), TIR@DEXA 2016, TIR@DEXA 2014, DATA-CCIP 2015 (Special Session on DATA in International Conference on Cognitive Computing and Information Processing), SEPLN 2015 (International Workshop on Embeddings and Semantics at Spanish Conference on NLP 2015), DATA 2014 (International Workshop on Data and Text Analytics) .

Courses

Feb. 2013	PROMISE Winter School 2013 - Bridging between Information Retrieval and Databases. Bressanone, Italy. http://www.promise-noe.eu/events/winter-school-2013/
Jul. 2009	UIMP English Language Immersion Course - Intensive English Course with Native Teachers and Monitors. Barcelona, Spain. http://www.uimp.es/inmersion/inmersion.html

Certifications

Jan. 2016	Cambridge First Certificate in English (FCE) - B2 level of the Common European Framework of Reference for Languages (CEFR) University of Cambridge
Jan. 2016	Elemental Grade in Valencian - B1 level of the Common European Framework of Reference for Languages (CEFR) Generalitat Valenciana
Dec. 2015	Occupational safety: laboratory researcher profile (register number: $15/45480$) Universitat Politècnica de València

Competences

Artificial Intelligence	Machine learning, deep learning, data mining, natural language processing, information retrieval, machine translation
Data Mining & Machine Learning	Weka, Gensim, TensorFlow, Deeplearning4j, Theano, Keras
Programming Languages	C, C++, Java, Python, Bash, Haskell, Prolog
Software Development	Eclipse, Visual Studio, Maven, Git, Subversion
Databases	SQL, Oracle