

Curriculum Vitae



Personal information

First name(s) / Surname(s) **Noa Patricia Cruz Díaz**

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Nationality Spanish



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Work experience

June, 2010 – June, 2014

PhD studentship at the Department of Advanced Information Technologies in the University of Huelva

My research interests span the areas of negation and speculation detection, natural language processing, intelligent access systems to biomedical information, classification based on machine learning, text mining, opinion mining and sentiment analysis.

October, 2013 - February, 2014

February, 2012 - June, 2013

February, 2010 - June, 2010

Temporary teacher

Temporary teacher at the Department of Advanced Information Technologies in the University of Huelva.

October, 2008 - September, 2009

Collaboration fellowship

Collaboration fellowship of the Ministry of Education and Science of Spain at the Department of Advanced Information Technologies in the University of Huelva.

July, 2008 - October, 2008

Student-trainee

Electronic Administration and implementation of the tools @firma, Not@rio, Notific@. Master degree in Advanced Information Technologies at University of Huelva.

May, 2006 - September, 2006

Research fellow

Research fellow in the Teaching Innovation Project "Almenara" at the Department of Advanced Information Technologies in the University of Huelva.

Education and training

June 2014

Doctor from the University of Huelva

Doctoral Program: **Advanced Information Technologies.**
University of Huelva, Huelva, Spain.

September, 2012 - October, 2012	<p>Universitetet i Oslo (UiO) Research Stay Centre: Research Group for Language Technology. Place: Oslo, Norway. Topic: New techniques for the negation detection and its application to intelligent systems in the area of Information Retrieval.</p>
2011 – 2012	<p>University of Huelva Master degree in Teacher Training in Obligatory Secondary and Upper Secondary School Education, Vocational Training and Languages at University of Huelva, Huelva, Spain.</p> <p>Master's Dissertation Score: Excellent (9.5).</p>
April, 2011 - July, 2011	<p>University of Wolverhampton Research Stay Centre: Research Institute of Information and Language Processing. Place: Wolverhampton, UK. Topic: New techniques for the negation detection and its application to intelligent systems in the area of Information Retrieval.</p>
2007 – 2009	<p>University of Huelva Master degree in Advanced Information Technologies at University of Huelva, Huelva, Spain.</p> <p>Master's Dissertation Score: Excellent (10).</p>
2005 - 2009	<p>University of Huelva Computer engineering degree at University of Huelva, Huelva, Spain.</p>
2000 - 2005	<p>University of Huelva Management IT Technical Engineer at University of Huelva, Huelva, Spain.</p>
Personal skills and competences	
Mother tongue(s)	Spanish
Other language(s)	
English	<p>Certificate in Advanced English (CAE). Cambridge University. Grade B. June, 2012</p> <p>First Certificate in English (FCE). Cambridge University. Grade C. June, 2012</p>
Portuguese	<p>B1.1 Level from the Modern Languages Service of the University of Huelva. University of Huelva, Huelva, Spain. February, 2007.</p>

Awards and recognitions

PhD studentship of the XV University of Huelva Research Plan.

June, 2010

Google grant for the Lisbon Machine Learning School (LxMLS 2012).

May, 2012

10C Student Award 2009, in honor of the comprehensive training and skills acquired from the University of Huelva.

May, 2009

Publications

A Machine Learning Approach to Negation and Speculation Detection for Sentiment Analysis
Journal of the American Society for Information Science and Technology (JASIST)

Under review

Authors: **Noa P. Cruz**, Maite Taboada, Ruslan Mitkov

Impact index: 2.005

Position 20^o of 132 (Category: Computer Science, Information Systems)

The tokenization problem in the biomedical domain: A comparative study of tools
Journal of Information Processing & Management

Under review

Authors: **Noa P. Cruz**, Manuel J. Maña

Impact index: 0.817

Position 86^o of 132 (Category: Computer Science, Information Systems)

Detecting Negated and Uncertain Information in Biomedical and Review Texts

Recent Advances in Natural Language Processing (Student Research Workshop)
September, 2013

Authors: **Noa P. Cruz Díaz**

Negation and Speculation Detection for Improving Information Retrieval Effectiveness

Fifth BCS-IRSG Symposium on Future Directions in Information Access (FDIA 2013)
September, 2013

Authors: **Noa P. Cruz Díaz**

A Machine Learning Approach to Negation and Speculation Detection in Clinical Texts
Journal of the American Society for Information Science and Technology (JASIST)
July, 2012

Authors: **Noa P. Cruz**, Manuel J. Maña, Jacinto Mata, Victoria Pachón
Impact index: 2.005
Position 20º of 132 (Category: Computer Science, Information Systems)

A review corpus annotated for negation, speculation and their scope
The International Conference on Language Resources (LREC)
May, 2012

Authors: Natalia Konstantinova, Sheila C.M. de Sousa, **Noa P. Cruz**, Manuel J. Maña, Maite Taboada, Ruslan Mitkov.

Medical-Miner at TREC 2011 Medical Records Track
Text REtrieval Conference – TREC Medical Records Track
November, 2011

Authors: J.M. Córdoba, M.J. Maña, **N.P. Cruz**, J. Mata, F. Aparicio, M. Buenaga, D. Glez-Peña, F. Fdez-Riverola

Aprendizaje Automático versus Expresiones Regulares en la Detección de la Negación y la Especulación en Biomedicina
XXVI Congreso de la Sociedad Española de Procesamiento del Lenguaje Natural
September, 2010

Authors: Noa P. Cruz, Manuel J. Maña & Jacinto Mata

Handling Negation in Classification of Clinical Texts
AMIA Workshop on Challenges in Natural Language Processing for Clinical Data
November, 2008

Authors: Jacinto Mata, Manuel J. Maña, José M. Bermúdez, Noa P. Cruz, Patricia Jiménez

Projects

BIDAMIR: Biomedical DATA Mining and Information Retrieval (TIC 07629)

AORESCU: Análisis de Opinión en REdes Sociales y Contenidos generados por Usuarios (TIC 07684)

Medical-Miner: Integración de conocimiento textual explícito en técnicas de minería de datos para la creación de herramientas traslacionales en medicina

Other information

Member of the Research Group Intelligent Systems and Data Mining, University of Huelva, recognized by the Andalusian Research Plan (198 TIC code).

Scholarship from the Ministry of Education, Culture and Sports for doing the course in English Language Immersion at the International University Menéndez Pelayo. July, 2013.