Elena Álvarez Mellado

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☛ EDUCATION

MS Computational Linguistics, Brandeis University Graduation expected: May 2020
Relevant courses: *Fundamentals of Computational Linguistics*; *NLP Annotation for Machine Learning*; *NLP in Python*; *Programming in Java*; *Data Structures & Algorithms*; *Mathematical Methods in Linguistics*. Course projects on: Sentiment analysis; Corpus linguistics; Metaphor and non-literal language classification.

BA Linguistics, Universidad Complutense de Madrid 2008-2010
Visiting student at Université Paris-Diderot Paris 7 (France) in 2009.
Relevant courses: *Morphology; Syntax; Semantics; Pragmatics; Sociolinguistics; Intro to NLP in Prolog.*
Final project: *AZRAEL. A rule-based automatic language detector in Prolog.*

Medical School, Universidad Complutense de Madrid 2005-2008
Three entire years completed. No degree awarded.
Relevant courses: *Anatomy; Physiology; Histology; Biochemistry; Pathology; Genetics; Organography; Biostatistics; Medical Physics; Immunology; Microbiology; Pharmacology; Radiology; Epidemiology.*

🔧 SKILLS

Programming skills: Java, Python (`NLTK`, `spaCy`, `sklearn`, `numpy`, `pandas`), Prolog, regex, MySQL.
Languages: Spanish (native), English (fluent; TOEFL: 112; CPE: A), French (basic).

💼 WORK EXPERIENCE

Research Assistant at UNED School of Computer Science (Madrid, Spain) 2017-2018
Research Assistant at the Digital Humanities Lab at UNED University.
– Developed and evaluated annotation guidelines for NER on Spanish medieval documents.

Corpus Linguistics Project Lead at Fundéu BBVA (Madrid, Spain) 2014-2015
Lead a corpus linguistics R&D project on the evolution of the Spanish language on the media during the 20th century. Project report, visualization and conclusions at: `http://fundeu.es/aracne/`
– Compiled corpus, programming, data analysis, directed staff, wrote peer-reviewed publication.

Analytical Linguist at Molino de Ideas (Madrid, Spain) 2010-2016
– Developed linguistic rules for NLP resources in Spanish (lemmatisation, POS-tagging).
– Designed and implemented in Prolog a set of rule-based morphological analyzers for Latin language (declensor, syllabifier, time-machine simulator). `http://molinarium.com/`
– Annotated and evaluated results of NLP resources.
– Wrote technical documentation and provided user support of NLP API platform.
– Participated in conferences and events on Linguistics and language technology dissemination.

Internship Student at Lingway-Eptica (Paris, France) 2010
– Annotated keywords for automatic CV matching.

¶ PUBLICATIONS

– **Álvarez Mellado, E.**; Martin-Fuertes, L. (2018). *Aracne: estudio de la variación lingüística en la prensa española entre 1914-2014* in Artnodes 22. `http://doi.org/10.7238/a.v0i22.3209` [Peer-reviewed article]
– **Álvarez Mellado, E.** (2016). *Anatomía de la lengua.* Larousse. [Book]

📢 OUTREACH & DISSEMINATION

– Editorial board member and columnist at popular Linguistics magazine *Archiletras* (2018-).
– Language columnist for Spanish national newspaper *eldiario.es* (2017-) `http://goo.gl/6M7hbT`
– Radio contributor at Spanish National Radio on weekly section about linguistics (2012-2015).

☆ HONORS & AWARDS

– LaCaixa Fellowship for graduate studies in the US. 40 Spanish students selected yearly (2018).
– National Journalism Award 'Miguel Delibes'. Awarded to one person per year (2017).
– First award at the Arquímedes National Contest for Young Researchers. Awarded by the Spanish Ministry of Science and Education (2009).