Elena Álvarez Mellado

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🎓 EDUCATION

MS Computational Linguistics, Brandeis University (GPA: 3.92/4.00) — Graduating May 2020
Coursework: *Fundamentals of Computational Linguistics*; *Annotation for Machine Learning*; *NLP in Python*; *Statistical & Neural Approaches to NLP*; *Advanced Programming Techniques*; *Data Structures & Algorithms*.
Projects on: Figurative language classification; Named Entity Recognition; Sentiment Analysis; Corpus Linguistics.

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

Medical School, Universidad Complutense de Madrid — 2005-2008
Three entire years completed. No degree awarded.
Coursework: *Anatomy; Physiology; Histology; Biochemistry; Pathology; Genetics; Pharmacology; Biostatistics*.

🔧 SKILLS

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

💼 WORK EXPERIENCE

Research Data Analyst at McLean Hospital/Harvard Medical School (Massachusetts) — 2019-
– Applying Machine Learning and NLP techniques to Electronic Health Records to predict readmission risk.

Research Assistant at UNED School of Computer Science (Madrid, Spain) — 2017-2018
– Developed and evaluated annotation guidelines for Named Entity Recognition on Spanish medieval documents.

Linguistic Data Analyst at Fundéu BBVA (Madrid, Spain) — 2014-2015
Conducted a corpus linguistics project on the evolution of the Spanish language on the 20th century media.
– Compiled corpus, analyzed textual data, wrote documentation, directed staff. See: http://fundeu.es/aracne/

Analytical Linguist at Molino de Ideas (Madrid, Spain) — 2010-2016
– Developed linguistic rules for language resources in Spanish (lemmatisation, POS-tagging).
– Designed and implemented in Prolog a set of rule-based morphological analyzers for Latin language.
– Annotated, evaluated and documented linguistic resources (morphological analyzers, lexical databases, corpora).

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

¶ PUBLICATIONS

– **Álvarez Mellado, E.**; Holderness, E.; Miller N.; Dhang F., Cawkwell, P.; Bolton, K.; Pustejovsky, J.; Hall, M. (2019). *Assessing the Efficacy of Clinical Sentiment Analysis and Topic Extraction in Psychiatric Readmission Risk Prediction* to be presented at LOUHI workshop at EMNLP 2019. [Conference paper]
– **Álvarez Mellado, E.**; Martin-Fuertes, L. (2018). *Aracne: estudio de la variación lingüística en la prensa española entre 1914-2014* in Artnodes 22. http://tiny.cc/aracne [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-).
– Scientific committe member for *Maricorners* conference on LGBT language and communication (2018-).
– Language columnist for Spanish national newspaper *eldiario.es* (2017-) http://tiny.cc/eldiario
– Radio contributor at Spanish National Radio on weekly section about Linguistics (2012-2015).

☆ HONORS & AWARDS

– LaCaixa grant for graduate studies in the US. 40 Spanish students selected yearly (LaCaixa Foundation, 2018).
– National Journalism Award Miguel Delibes. Awarded to one person per year (Valladolid Press Association, 2017).
– First award at the Arquímedes National Contest for Young Researchers (Spanish Ministry of Science, 2009).