

Elena Álvarez Mellado

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🎓 EDUCATION

MS Computational Linguistics, Brandeis University (GPA: 3.92/4.00) Graduating May 2020
Relevant courses: *Fundamentals of Computational Linguistics*; *NLP Annotation for Machine Learning*; *NLP in Python*; *Programming in Java*; *Data Structures & Algorithms*; *Advanced Programming Techniques*.
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*; *Pharmacology*.

🔧 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 Data Analyst at McLean Hospital/Harvard Medical School (Massachusetts) 2019-
– Applied 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 NER on Spanish medieval documents.

Linguistic Data Analyst at Fundeu BBVA (Madrid, Spain) 2014-2015
Led a corpus linguistics project on the evolution of the Spanish language on the media of the 20th century.
– Compiled corpus, programming, data analysis, directed staff. See: <http://fundeu.es/aracne/>

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.
– Annotated linguistic corpora and evaluated results of NLP resources.
– Wrote technical documentation and provided user support of NLP API platform.

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. [Peer-reviewed article] <http://doi.org/10.7238/a.v0i22.3209>
- **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).