Elena Álvarez Mellado

✉ ealvarezmellado@gmail.com · ⌂ Somerville, Massachusetts

in linkedin.com/in/elenaalvarezmellado · ⬡ github.com/lirondos · ⬚ lirondos.github.io · 🐦 @lirondos

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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*; *Advanced Programming Techniques*; *Data Structures & Algorithms*.
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.* http://tiny.cc/azrael

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

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 Fundéu 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, evaluated and documented linguistic corpora and NLP resources.

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://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 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).