

ELENA ZOTOVA

NLP Researcher

@ zotova.el@gmail.com +34 633 777 499 Donostia San Sebastián, Spain
in linkedin.com/in/elena-zotova-03825183 github.com/ZotovaElena



EXPERIENCE

Researcher

Vicomtech

Mar 2020 – Ongoing Donostia, Spain

- Research in NLP field focused on Spanish, Basque and other European languages
- Developing of text classification, text summarization, topic modeling and entity detection models
- Scraping and processing of unstructured textual data
- Implementation of AI services

Computational Linguist

Prosodie-Capgemini

Jul 2019 – Mar 2020 Madrid, Spain

- Training and error analysis of natural language understanding models
- Monitoring and improvement of the user experience
- Creation and tuning of corpus linguistics, grammars and pronunciation dictionaries

Computational Linguist

Intercom Strategies

Dec 2018 – Jun 2019 Madrid, Spain

- Developed an automatic system for analysis of political discourse in social networks with NLP techniques.
- Was responsible for the processing of unstructured texts and annotated corpora.
- Trained machine learning models for text classification and clustering.

Linguist

Sigma Technologies

Jul 2016 – Nov 2018 Madrid, Spain

- Participated in projects that consisted of the evaluation of automatic speech recognition and synthesis systems.
- Annotated corpus linguistics according to in-home guidelines.

Marketing Manager

I.T. Co

Oct 2013 – Aug 2015 Moscow, Russia

- Designed and performed the marketing and advertising campaigns.
- Created content for e-mail campaigns, landing pages and webinars.
- Administrated the company's website.

Journalist

Altapress

Feb 2006 – Sep 2013 Barnaul, Russia

- Wrote news, articles, interviews.
- Planned the content of a weekly newspaper, was responsible for a heading.

SKILLS & FRAMEWORKS

Computational linguistics

Statistics

Python

Javascript

Machine learning

Deep Learning

Transformers

Information Retrieval

Data Visualization

Linux

Anaconda

PyCharm

Selenium

Flask

FastAPI

Docker

Pandas

Elasticsearch

Git

EDUCATION

PhD in Language Analysis and Processing

University of the Basque Country, IXA Group, Spain

Oct 2019 – Ongoing

Master's Degree in Language Analysis and Processing

University of the Basque Country, Faculty of Informatics, Spain

Sep 2017 – Sep 2019

Bachelor's Degree in Journalism

Altai State University, Russia

Sep 1999 – June 2004

LANGUAGES

Russian

English

Spanish

Basque



PUBLICACIONES

Conference Proceedings

- García-Pablos, Aitor et al. (2020). "Vicomtech at eHealth-KD Challenge 2020: Deep End-to-End Model for Entity and Relation Extraction in Medical Text". In: *Proceedings of the Iberian Languages Evaluation Forum co-located with 36th Conference of the Spanish Society for Natural Language Processing, IberLEF@ SEPLN*. vol. 2020, pp. 102–111.
- Garía-Pablos, Aitor, Montse Cuadros, and Elena Zotova (2020). "Vicomtech at CAPITEL 2020: Facing Entity Recognition and Universal Dependency Parsing of Spanish News Articles with BERT Models." In: *IberLEF@ SEPLN*, pp. 52–59.
- Zotova, Elena, Rodrigo Agerri, Manuel Nuñez, et al. (2020). "Multilingual Stance Detection in Tweets: The Catalonia Independence Corpus". In: *Proceedings of The 12th Language Resources and Evaluation Conference*, pp. 1368–1375.
- Zotova, Elena, Montse Cuadros, et al. (2020). "Vicomtech at ALexS 2020: Unsupervised Complex Word Identification Based on Domain Frequency". In: *Proceedings of the Iberian Languages Evaluation Forum (IberLEF 2020), CEUR-WS, Malaga, Spain*, pp. 7–14.

Journal Articles

- Zotova, Elena, Rodrigo Agerri, and German Rigau (2021). "Semi-automatic generation of multilingual datasets for stance detection in Twitter". In: *Expert Systems with Applications* 170, pp. 114–547.
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