

# ELENA ZOTOVA

## NLP Researcher

📍 Donostia San Sebastián, Spain

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🔗 [github.com/ZotovaElena](https://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

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## 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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