

Ana Ezquerro

MASTER STUDENT & NLP RESEARCHER AT UNIVERSITY OF A CORUÑA

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EXPERIENCE

Research Assistant

A Coruña, Spain

Centre for ICT Research

  07/2021 – 09/2021 (full-time, on-site)

- Analysis and comparison of cure models against ML techniques in COVID19 data for UCI admission prediction.
- Tools: Python (Tensorflow, Pytorch, Pycox), R (KMSurv).

Department Collaboration Scholarship

A Coruña, Spain

University of A Coruña, Banco Santander

  09/2021 – 04/2022 (full-time, on-site)

- Research collaboration with the [MODES Group](#) in the Department of Mathematics.
- New method for automatic covariates selection in dynamic regression models for time series analysis.
- Tools: R (fpp2, TSA, forecast, parallel).

Student Scholarship

A Coruña, Spain

Galician Institute in Technology

 09/2022 – 10/2022 (part-time, hybrid)

- NLP & ASR research tasks for medical-assistant chatbot designing with text and audio support.
- Tools: Python (Pytorch, transformers).

Student Internship

A Coruña, Spain

ABANCA, Venancio Salcines Foundation

 02/2023 - 09/2023 (part-time, on-site)

- Implementation of ML and DL models for commercial activities estimation in the customer intelligence area.
- Tools: Python (ScikitLearn, XGBoost, LightGBM, Keras), SQL.

Research Assistant

A Coruña, Spain

Centre for ICT Research

  07/2023 – 09/2023 (part-time, on-site)

- Implementation and evaluation of supervised models for constituency parsing.
- Tools: Python (Pytorch, transformers, nltk, stanza).

Research Support Technician

A Coruña, Spain

Centre for ICT Research

  10/2023 – Present (part-time, on-site)

- Development of new algorithms for automatic parsing in NLP.
- Analysis of the viability of incremental representations for parsing.


EDUCATION

B.S. in Data Science and Engineering

A Coruña, Spain

University of A Coruña, Faculty in Computer Science

2019 - 2023

- Academic record of 9.0 with 15 courses passed with Honor Registrations .
- Honor distinction in the Final Degree Project: *Fully incremental parsing based on neural networks*.

M.S. in Artificial Intelligence

A Coruña, Spain

University of A Coruña, Faculty in Computer Science

2023 - Present








- Academic record of 9.2 with 2 courses passed with Honor Registrations.

RESEARCH

- Ana Ezquerro, Germán Aneiros, Manuel Oviedo. *Automatic covariates selection in dynamic regression models with application to COVID-19 evolution*. In The 5th XoveTIC Conference (XoveTIC 2022) organized by the Centre for ICT Research with the University of A Coruña.
- Ana Ezquerro, Germán Aneiros, Manuel Oviedo. *New covariates selection method in dynamic regression models with a public implementation in R language*. In The IX Galician R Users Conference organized by MeLiSA and AMTEGA.
- Ana Ezquerro, Brais Cancela, Ana López-Cheda. *On the Reliability of Machine Learning Models for Survival Analysis When Cure Is a Possibility*. In Mathematics 2023, Vol. 11, Nonparametric Statistical Methods and their Applications.
- Ana Ezquerro, Carlos Gómez-Rodríguez, David Vilares. *On the Challenges of Fully Incremental Neural Dependency Parsing*. In The 13th International Joint Conference on Natural Language Processing and The 3rd Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics (IJCNLP-AAACL 2023).
- Ana Ezquerro, Carlos Gómez-Rodríguez, David Vilares. *From Partial to Strictly Incremental Constituent Parsing*. In The 18th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2024).

- Ana Ezquerro, David Vilares. *LyS at SemEval 2024 Task 3. An Early Prototype for End-to-End Multimodal Emotion Linking as Graph-Based Parsing*. In The 18th International Workshop on Semantic Evaluation co-located with The 2024 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2024).

HONORS

2019	Best Academic Records for the University Test Access in Galicia  	<i>University of Santiago de Compostela</i>
2022	Department Collaboration Scholarship  	<i>University of A Coruña, Banco Santander</i>
2022	Awards for Academic Excellence in Bachelor's Degrees 2020-21  	<i>Xunta de Galicia</i>
2023	Awards for Academic Excellence in Bachelor's Degrees 2021-22  	<i>Xunta de Galicia</i>
2023	Final Degree Project Scholarship by the University Chair "Cátedra CICAS"  	<i>FUAC, Corunet by Sngular</i>
2024	Outstanding Degree Award  	<i>University of A Coruña</i>
2024	Outstanding Degree Award  	<i>Xunta de Galicia</i>
2024	Department Collaboration Scholarship  	<i>Ministry of Education of the Government of Spain</i>
2024	Master's Scholarship for the Best Academic Access  	<i>University of A Coruña, Banco Santander</i>

VOLUNTEERING

- Compensation Board Member at the **Faculty in Computer Science (University of A Coruña)** from 2020 to 2023.
- Active member at the **Student Board** of the **Faculty in Computer Science (University of A Coruña)** since 2021.
- Active member at the **Master in Artificial Intelligence Committee** of **University of A Coruña**.
- Active member at the **XII Evaluation Committee** of **UTC's Docentia Program**.