

Ana Ezquerro

MASTER STUDENT & NLP RESEARCHER AT UNIVERSITY OF A CORUÑA

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EXPERIENCE

Research Assistant

A Coruña, Spain

Centre for Information and Communications Technology Research (CITIC)

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, Santander Bank

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 with application.
- 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 Information and Communications Technology Research (CITIC)

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

Communications Technology Research Center (CITIC)

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

2019 - 2023

- Academic record of 9.0 w. fifteen courses passed with Honor Registrations.
- Honor distinction in the Final Degree Project: *Fully incremental parsing based on neural networks* [📄](#).

MS in Artificial Intelligence

A Coruña, Spain

University of A Coruña

2023 - Present

SKILLS

Programming Python, Java, Matlab, Git, Julia, R, SQL

Software Git, Docker, PowerBI, Tableau, LaTeX

RESEARCH

XoveTIC 2022 Automatic covariates selection in dynamic regression models with application to COVID-19 evolution [📄](#).

IJCNLP-AACL 2023 On the Challenges of Fully Incremental Neural Dependency Parsing [📄](#).

Mathematics 2023 On the Reliability of Machine Learning Models for Survival Analysis When Cure Is a Possibility [📄](#).

AWARDS & HONORS

2019 **Best Academic Records for University Access in Galicia** [📄](#)

University of Santiago de Compostela

2022 **Academic Excellence in University Degrees Award during the Academic Year 2020-21** [📄](#)

Xunta de Galicia

2022 **Lecturer in the IX R Galician Users Meeting** [📄](#)

MeLiSA, AMTEGA

2023 **Rewarded with the Final Degree Project Support by the University Chair “Cátedra CICAS”** [📄](#)

FUAC, Corunet by Singular

2023 **Academic Excellence in University Degrees Award during the Academic Year 2021-22** [📄](#)

Xunta de Galicia

2023 **Extraordinary Degree Award** [📄](#)

University of A Coruña

VOLUNTEERING

- PAT mentor during the academic year 2019-20.
- Compensation Tribunal member of the Computer Science Faculty (University of A Coruña) from 2020 to 2023.
- Active member in the Student Board of the Computer Science Faculty (University of A Coruña), Master in Artificial Intelligence Committee and Docencia's Program Tribunal.