

Iñigo Parra

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Personal Profile

Highly motivated individual with excellent social and leadership skills and a passion for technology. Trilingual speaker and adept at communicating with individuals from diverse backgrounds. Self-taught coder with a strong foundation in Python, able to develop efficient and effective solutions for complex problems. A hard-working individual with linguistics expertise that provides a unique perspective on the development of natural language processing tools. Always eager to learn and grow, committed to staying up-to-date with the latest developments in technology and linguistics.

Education

University of Deusto

Bilbao, Spain

BA in Modern Languages (English Studies focus)

Sept 2016 - May 2022

- **Dissertation:** *Language and Opinion Online: Socio-political Beliefs on Covid-19*
- **Courses:** Language Applications, Linguistics, English Grammar, Contrastive Grammar, Digital Humanities, Second Language Acquisition

The University of Alabama

Tuscaloosa, US

MA Romance Languages: Spanish Linguistics

August 2022 - Current

- **Master's Project:** *To be decided*
- **Courses:** Computational Research Methods, Methods in Bilingualism Research, Programming Languages (audit), Spanish Linguistics, Phonetics and Phonology.

The University of the Basque Country (UPV/EHU) – IXA Group

Donostia-San Sebastián, Spain

Seminar On Introduction To Language Technology Applications

July 2023

- **Lab work:** Stance Detection, Static Word Embeddings, Sentiment Analysis, NER, Multilingual transfer learning, Question Answering systems.

Work Experience

The University of Alabama

Tuscaloosa, Alabama

Teaching Assistant

Sept 2022 - Current

- Instructor of Spanish at different levels.
- Provided tutoring hours to all Spanish students to improve academic performance.
- **Technical Skills:** Google Applications, Blackboard, Linguistic skills, Second Language Acquisition, Teaching.
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills, Interpersonal skills, Leadership.
- **Other involvement:** Helped pilot the new Spanish coursework and reorganized materials. Improved the linguistic experience of students.

University Projects

International Tandem Program

Bilbao, Spain

University of Deusto

December 2021 - May 2022

- Spanish support to international students.
- Teach the language and cultural aspects.
- **Technical Skills:** Teaching, English, German, Spanish.
- **Soft Skills:** Interpersonal skills, Linguistic strategies.

Spanish Club

Tuscaloosa, US

The University of Alabama

Sep 2022 - Jan 2023

- Helped in the development of the Spanish Club.
- Volunteered at several tasks, leading group conversations and activities in Spanish.
- **Soft Skills:** Leadership, Teamwork, Organization.

Skills

Coding Python (Pandas, NumPy, Tensorflow, Scikit-learn, SpaCy, NLTK, among others), R (ggplot2).

Research Gephi, Praat, \LaTeX (Overleaf), Tableau, Microsoft Office, Git.

Miscellaneous Logic Pro X, Ableton, Photoshop, After Effects, Shell (Bash/Zsh).

Soft Skills Leadership, Creativity, Time Management, Teamwork, Problem-solving, Engaging Presentation.

Achievements

2020 **89/100**, Undergraduate Dissertation
2022 **4.0 GPA**, MA Romance Languages: Spanish Linguistics

Bilbao
Tuscaloosa

Conferences

UALC

The University of Alabama

- *Computational Linguistics and AI: Do Chatbots Understand Grammar?*

Tuscaloosa, Alabama

Feb 2023

Digital Humanities Against Dark Times

Vanderbilt University

- *The Dark Side of AI: Identifying Extremism and Battling Political Polarization*

Nashville, Tennessee

Apr 2023

Current Research

Monitoring Second Language Learning with PageRank-Based Student Performance Analysis (submitted)

2023

- Implement network analysis to record student performance. Foresee its implications in the future of education.
- **Technical Skills:** Social Network Analysis, Language Acquisition Theory, SLA, Python.

Eu2Vec: LSTM Pretrained Embedding for Basque Sentiment Analysis

2023

- Creation of a pre-trained Basque embedding for sentiment analysis purposes.
- **Technical Skills:** Python, Tensorflow, CSV, Scikit-Learn, Linguistics, Distributional Semantics.

Do You Speak Basquenglish? Assessing Low-resource Multilingual Proficiency of Pretrained Language Models (submitted)

2023

- Analysis and evaluation of cross-lingual understanding and code-switching capabilities of large language models (LLMs)
- **Technical Skills:** HTML, CSS, JavaScript, Linguistics.

The Visibility Project

2023

- A research tool to revise NLP attention on low-resource languages
- **Charge:** Founder and main developer
- **Technical Skills:** HTML, CSS, JavaScript, Linguistics.

AYA: Cohere for AI

2023

- An initiative to accelerate multilingual AI progress. It is part of Cohere for AI, a project to make AI more accessible
- **Charge:** Ambassador and main contributor to Basque. Contributor to Spanish and English.

Interests

Research Low-resource languages, AI explainability, distributional semantics, human-centered AI, pragmatics, syntax, language acquisition, AI alignment.

Others Music, cooking, photography, coding, and reading.

Languages

Spanish Native speaker

Basque Native speaker

English Fluent

German Reading knowledge

French Reading knowledge