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. 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 linguistics and technology.

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, Second Language Acquisition

The University of Alabama   *Tuscaloosa, US*

MA Romance Languages: Spanish Linguistics   *August 2022 - Current*

- **Courses:** Computational Research Methods, Methods in Bilingualism, 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:** Static Word Embeddings, Sentiment Analysis, NER, Multilingual transfer learning, QA systems

Experience

The University of Alabama   *Tuscaloosa, Alabama*

Teaching Assistant   *Sept 2022 - Current*

- Instructor of Spanish at levels 101 and 102
- Technical Skills: Google Applications, Blackboard, Linguistic skills, Second Language Acquisition, Teaching
- Soft Skills: Teamwork, Time Management, Communication, Presentation skills, Interpersonal skills, Leadership

LingUA Lab   *Tuscaloosa, Alabama*

Research Assistant   *Sept 2022 - Current*

- Collect data, run statistics, and report results
- Technical Skills: R, Python, Microsoft Excel, statistics
- Soft Skills: Teamwork, Presentation skills, Leadership

Cohere for AI: AYA   *Online*

Language Ambassador (Basque) and Contributor   *May 2023 - Current*

- Evaluate language model's performance in Basque and Spanish and improve model through reinforcement learning from human feedback
- Technical Skills: Zoom, Transformers, Basque Grammar
- Soft Skills: Teamwork, Presentation skills, Leadership

Conferences

UALC   *Tuscaloosa, Alabama*

The University of Alabama   *Feb 2023*

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

Digital Humanities Against Dark Times   *Nashville, Tennessee*

Vanderbilt University   *Apr 2023*

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

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: Python, Tensorflow, CSV, Scikit-Learn, Basque, bilingualism

The Visibility Project   *2023*
- A research tool to revise NLP attention on low-resource languages
- Charge: Founder and main developer

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.

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.

Achievements

2020	**89/100,** Undergraduate Dissertation	*Bilbao*
2022	**4.0 GPA,** MA Romance Languages: Spanish Linguistics	*Tuscaloosa*
2023	**Top Contributor to the Basque Language,** Cohere for AI: AYA	*Online*

Skills

Coding	Python (Pandas, NumPy, Tensorflow, Scikit-learn, SpaCy, NLTK, among others), R (ggplot2).
Research	Gephi, Praat, LaTeX(Overleaf), Tableau, Microsoft Office, Git.
Soft Skills	Leadership, Creativity, Time Management, Teamwork, Problem-solving, Engaging Presentation.
Miscellaneous	Logic Pro X, Ableton, Photoshop, After Effects, Shell (Bash/Zsh).

Interests

| **Research** | Low-resource languages, AI explainability, distributional semantics, pragmatics, syntax, language acquisition, AI alignment |
| **Others** | Making music, writing, cooking, photography, coding, and reading. |

Languages

Spanish	Native speaker
Basque	Native speaker
English	Fluent
German	Reading knowledge
French	Reading knowledge