Iñigo Parra

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Research Areas

Computational linguistics, low-resource and endangered languages, natural language processing, semantics, AI bias

Education

exp. 2024 **M.A. Romance Languages: Spanish Linguistics**, The University of Alabama
- 4.0 GPA
- Coursework: Spanish linguistics, phonetics and phonology, methods in bilingualism, computational research methods

2016-2022 **B.A. in Modern Languages, Specialty in English Studies**, Universidad de Deusto
- Thesis title: Language and Opinion Online: Beliefs on COVID-19 and Socio-political Implications

NON-DEGREE STUDIES

2023 **Seminar On Introduction To Language Technology Applications**, IXA Group Universidad del País Vasco - Euskal Herriko Unibertsitatea

Grants & Funding

2023 DHADT Conference Funding. Vanderbilt University
2023 International Conference Funding. The University of Alabama Graduate School
2023 Robert and Ruby Allbritton and María Mantiñán Endowed Scholarship. National Alumni Association of The University of Alabama

Publications

PROCEEDINGS

accepted **Parra, Iñigo** (2023). Do You Speak Basquenglish? Assessing Low-resource Multilingual Proficiency of Pretrained Language Models. *EMNLP, Proceedings of the The Sixth Widening NLP Workshop (WiNLP)*, December 6th, Singapore.

manuscript | **Parra, Iñigo** (2022). Eu2Vec: Improving Basque Sentiment Analysis through Data Augmentation.

manuscript | **Parra, Iñigo** (2022). Monitoring Second Language Learning with PageRank-Based Student Performance Analysis.

in prep. | Koronkiewicz, Bryan; Lamadrid, Kate; VanMeter, R.; **Parra, Iñigo** (2023). Asymmetrical p-stranding: Acceptability Data from Spanish-English Code-switching.

submitted | **Parra, Iñigo** (2023). The Turing Test Meets Dungeons & Dragons: A Comparative Study of Role-Playing and Standard Prompts in Language Models.

submitted | **Parra, Iñigo** (2023). UnMASKed: Quantifying Gender Biases in Masked Language Models through Linguistically Informed Job Market Prompts.

in prep. | **Parra, Iñigo** (2023). Exposing the Vulnerabilities of Large Language Models with Low-Resource Languages.

Presentations

Conference Talks

2022 | **Iñigo Parra**. Computational Linguistics and AI: Do Machines Follow Grammar Rules? University of Alabama Language Conference, February 14th. Tuscaloosa, Alabama.

2023 | **Iñigo Parra**. The Dark Side of AI: Identifying Extremism and Battling Political Polarization. Digital Humanities Against Dark Times, April 13th. Nashville, Tennessee.

2023 | **Iñigo Parra**. Do You Speak Basquenglish? Assessing Low-resource Multilingual Proficiency of Pretrained Language Models. EMNLP, Proceedings of the The Sixth Widening NLP Workshop (WiNLP), November 24th. Singapore

Invited

2023 | **Iñigo Parra**. Challenges and Opportunities for Low & Mid Resource Languages. Cohere for AI, December 15th.

Projects and Lab Work

2022-present | Dr. Erin O'Rourke, Dr. Bryan Koronkiewicz, Dr. Laura Rubio, Dr. Alicia Cipria, Iñigo Parra (Member) LingUA Lab

2022-present | **Iñigo Parra (PI)**, Jamike Okoroji (RA). The Visibility Project

2023-present | Dr. Sara Hooker (PI), **Iñigo Parra (Basque Language Ambassador and Top Contributor)**. AYA Cohere for AI. Toronto, Canada.

Teaching

Teaching Assistant

Fall 2022 | Spanish 102, The University of Alabama

Spring 2023 | Spanish 101, The University of Alabama

Fall 2023   Spanish 101, The University of Alabama
Spring 2024   Spanish 201, The University of Alabama

OTHER TEACHING EXPERIENCE

2022-2023   Department of Spanish Undergraduate Mentor, The University of Alabama

WORKSHOPS PRESENTED

Iñigo Parra. R for Data Analysis. LingUA Lab, September 19th, Tuscaloosa, AL.
Iñigo Parra. Introduction to Basque. SP 502, October 23rd, Tuscaloosa, AL.

Professional and Academic Service

2023   Graduate Student Association (GSA) Delegate, The University of Alabama
2023   Graduate Student Association (GSA) Academic Program Member, The University of Alabama
2023   Graduate Student Representative at the Modern Languages and Classics (MLC) Faculty, The University of Alabama
2023   Mentor, LSA Linguistics Mentoring Alliance

Skills

LANGUAGES

Spanish (native)
Basque (native)
English (advanced)
German (elementary)
French (reading)
Latin (reading)

COMPUTING

Python (Pandas, NumPy, Tensorflow, Scikit-Learn, Pytorch, NLTK, Transformers)
R (ggplot2, tidyr)
LaTeX
HTML & CSS

Memberships

Linguistic Society of America