

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

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

- 2024 **Parra, Iñigo** (2024). UnMASKed: Quantifying Gender Biases in Masked Language Models through Linguistically Informed Job Market Prompts. *European Chapter of the Association of Computational Linguistics (EACL) ERW*, February 22nd, Malta.

WORK IN PROGRESS

- under rev. **Parra, Iñigo** (2023). The Turing Test Meets Dungeons & Dragons: A Comparative Study of Role-Playing and Standard Prompts in Language Models.
- in prep. **Parra, Iñigo** (2023). Exposing the Vulnerabilities of Large Language Models with Low-Resource Languages.
- in prep. Koronkiewicz, Bryan; Lamadrid, Kate; VanMeter, R.; **Parra, Iñigo** (2023). Asymmetrical p-stranding: Acceptability Data from Spanish-English Code-switching.
- 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.

Presentations

CONFERENCE TALKS

- 2024 **Parra, Iñigo** (2024). UnMASKed: Quantifying Gender Biases in Masked Language Models through Linguistically Informed Job Market Prompts. European Chapter of the Association of Computational Linguistics (EACL) ERW, February 22nd, Malta.
- 2023 **Iñigo Parra**. Do You Speak Basquenglish? Assessing Low-resource Multilingual Proficiency of Pretrained Language Models. EMNLP, The Seventh Widening NLP Workshop (WiNLP), November 24th. Singapore.
- 2023 **Iñigo Parra**. The Dark Side of AI: Identifying Extremism and Battling Political Polarization. Digital Humanities Against Dark Times, April 13th. Nashville, Tennessee.
- 2022 **Iñigo Parra**. Computational Linguistics and AI: Do Machines Follow Grammar Rules? University of Alabama Language Conference, February 14th. Tuscaloosa, Alabama.

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

INSTRUCTOR

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

REVIEWING

2023 *EMNLP WiNLP*, Singapore
2024 *The 11th Inter-Varietal Applied Corpus Studies (IVACS)*, University of Cambridge, UK

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