Iñigo Parra

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🌐 iparra.github.io

Research Areas & Interests

Computational linguistics, NLP, speech and computation, language model explainability, language models and the brain

Education

exp. 2029   **Ph.D. Linguistics**, UC Berkeley
- Computational Linguistics, Speech and Computation, Cognitive Science

2022-2024   **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

2023-2024   Robert and Ruby Allbritton and María Mantiñán Endowed Scholarship. National Alumni Association of The University of Alabama

2023-2024   International Conference Funding. The University of Alabama Graduate School

2023   DHADT Conference Funding. Vanderbilt University

Publications

PROCEEDINGS

2024   **Parra, Iñigo** (2024). Noise Be Gone: Does Speech Enhancement Distort Linguistic Nuances?. *Field Matters @ The 62nd Annual Meeting of the Association for Computational Linguistics (ACL 2024)*, August 11th-16th, Bangkok.

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   **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.

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.   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). Noise Be Gone: Does Speech Enhancement Distort Linguistic Nuances?. Field Matters @ ACL 2024, August 11th-16th, Bangkok.

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

2024-present Dr. Gašper Beguš (PI), **Iñigo Parra (RA)**. Speech and Computation Lab. Berkeley, CA.

2023-2024 Dr. Sara Hooker (PI), **Iñigo Parra (Basque Language Ambassador and Top Contributor)**. AYA Cohere for AI. Toronto, Canada.

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

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

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

2024 *CoNLL @ EMNLP 2024*, Miami, FL

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

2023 *EMNLP WiNLP 2023*, Singapore

Skills

Languages

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

Computing

Python (PyTorch, Tensorflow, HF Transformers, Scikit-Learn, NLTK, Pandas, NumPy,)
R (ggplot2, tidyr, praatpicture)
HTML & CSS
LaTeX
Praat

Memberships

Linguistic Society of America (LSA)