Claire Benét Post

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EDUCATION

University of Colorado Boulder, Computational Linguistics PhD, NLP for Low-Resource Neurosymbolic AI   *Graduating:* Spring 2028

University of Southern California   GPA: 3.9

Dual Degree Program: Honors BS Computational Linguistics, BA International Relations   *Graduated:* Spring 2023

EXPERIENCE

Linguistics Department, CU Boulder – Doctoral Teaching and Research Assistant   August 2023 – Present
- Instructed recitation sections for "Languages of the World," developed course materials, and conducted student assessments.
- Collaborated on neurosymbolic Uniform Meaning Representation graph bootstrapping for Arapahoe language under Dr. Alexis Palmer.

Language Processing Lab, USC - Research Assistant   January 2021 – May 2023
- Presented a paper at the HSP conference in Spring 2023, delving into the singular "they" usage, while concurrently managing experiments on predicates of personal taste and last name-only usage production.
- Co-authored three papers presented at prestigious international conferences in Spring 2022, delving into eminence verbs and the semantic consequences of last name-only references.
- Applied rigorous computational analysis in meticulously investigating biases within semantic properties of names and conducting corpus studies on RateMyProfessors.com, unveiling keen insight into gendered linguistic biases particularly for women in academia.
- Engineered a Python-based Twitter Scraper for robust corpus studies, showcasing adept programming skills and optimizing research methodology.
- Conducted and presented research on emoji ambiguities, Covid-19 messaging responses via pronoun regulation, and linguistic eye-tracking studies.

Guaraní Preservation and Research, USC - Researcher   May 2022 – August 2023
- Developed a website using HTML and CSS for the preservation of Guaraní for speakers and providing in-depth morphological analysis for linguists.
- Provided phonetic transcriptions of Guaraní stories and conducted research on Guaraní morphemes.

USC International Academy – Student Teacher   May 2021 – October 2021
- Led immersive conversation groups, designed a course, and created learning activities for improving graduate-level international students' English.

Los Angeles City College – Office of Special Services Tutor   October 2020 – April 2021
- Assisted college students in reading, speaking, and writing effective essays in English through Zoom.
- Tailored support for students with disabilities, including blindness and learning disorders, utilizing Spanish language skills.

LEADERSHIP AND INVOLVEMENT

American Sign Language Machine Translation, USC - Researcher   December 2020 – July 2021
- Contributed research on lexical patterns in ASL to assist in deep learning techniques for hand signs recognition.

Joint Education Program, USC – Teaching Assistant   January 2020 – May 2020
- Assisted kindergarteners and first graders at John W Mack Bilingual Elementary School with their Spanish speaking and literacy skills.

ACADEMIC PROJECTS, RESEARCH, AND FELLOWSHIPS

Undergraduate Honors Thesis: Eminence and gender bias within last name only usage   Spring 2023
- Used machine learning and NLP tools to analyze lexical properties of last names and the biases that exist within generative text technologies in comparison to experimental data collected through NSF funding. Won 1st place at undergraduate research symposium with presentation.

Production of singular they: Social biases and gender features on pronouns   Spring 2023
- Co-authored paper accepted to the 36th Annual Conference on Human Sentence Processing at the University of Pittsburgh, presented in March.

What's in a name? An experimental investigation of last names and gender   Summer 2022
- Received a Summer Undergraduate Research Fellowship to study bias found in last name references. Conducted four experiments and completed a corpus study of RateMyProfessors using Python and R to analyze how gender bias appears experimentally and in real-world corpora.

(Un)certainty in language and cognition: Eyewitness reports vs. statistical probability   Spring 2022
- Co-authored paper accepted to the AMLap Psycholinguistics conference with a project on the Wells Effect impacting evidentiality in English.

How we talk about people: Gender bias found from eminence verbs   Spring 2022
- Co-authored paper accepted to AMLap Psycholinguistics conference. Established last name bias in sentence completion tasks through eminence verbs. Modulated findings with introduction to female scientists' stories to elucidate if the bias could be shifted.

Endangered Language Preservation Group   Summer 2021
- Received a Summer Undergraduate Research Fellowship to create a website using HTML and CSS programming for language research.
- Wrote and animated a storybook to provide translated stories for young learners of endangered languages.

Mapudungun Language Fellowship at University of Texas at Austin   Summer 2021
- Received fellowship from Indigenous Language Initiative at UT Austin to study Mapudungun, an endangered language of Chile.

SKILLS AND INTERESTS

- **Languages:** Fluent English, Advanced Spanish, Beginner Mapudungun, Beginner Quechua
- **Technical:** Programming languages: C++, Python, R-Studio, HTML, CSS, Java, MATLAB. Lab experience working in Microsoft, Praat, Figma, Docker, Git, and Qualtrics. NLP applications & frameworks: named entity recognition, deep learning, machine translation, preprocessing, LLMs, LSTMs, & NLU.