

# Annie Helms

Ph.D. Candidate, Romance Languages and Literatures · University of California, Berkeley

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## EDUCATION

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**Ph.D. in Romance Linguistics**, University of California, Berkeley, Dec 2023

Graduate Certificate in Applied Data Science

- Dissertation title: “Trilingual production and perception of lexical stress: Extending the cue-weighting transfer hypothesis to L3 acquisition”
- Dissertation committee: [Justin Davidson](#), [Keith Johnson](#), [Isaac Bleaman](#), [Mark Amengual](#) (UC Santa Cruz)

**B.S. in Chemistry, Double Major in Spanish**, Baylor University, *Summa Cum Laude*, May 2018

## RESEARCH INTERESTS

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Bilingual/L3 phonetics and phonology; quantitative and computational methods; experimental phonetics; US Spanish; Spanish-Catalan bilingualism; open science.

## PUBLICATIONS

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### Peer Reviewed Articles

- 2022 Medium shifting and intraspeaker variation in conversational interviews. *Language Variation and Change*, 34 (3), 305–329. Co-authored with Isaac Bleaman and Katie Cugno. doi:[10.1017/S0954394522000151](https://doi.org/10.1017/S0954394522000151)
- 2022 Influence of orthography in production and perception of /b/ in US Spanish. *Journal of Experimental Phonetics*, XXXI, 9–29. Co-authored with Gabriella Licata and Rachel Weiher. <https://www.ub.edu/journalofexperimentalphonetics/pdf-articles/XXXI-02-Helms.pdf>

### Conference Proceedings

- 2023 Sociophonetic analysis of mid front vowel production in Barcelona. In Barbara E. Bullock, Cinzia Russi & Almeida Jacqueline Toribio, eds., *A half century of Romance linguistics: Selected proceedings of the 50th Linguistic Symposium on Romance Languages*. Berlin: Language Science Press, pp. 249–268. doi:[10.5281/zenodo.7525114](https://doi.org/10.5281/zenodo.7525114)
- 2022 Bay Area Spanish: regional sound change in contact languages. *RLLT17*, eds. Ora Matushansky, Laurent Roussarie, Michela Russo, Elena Soare & Sophie Wauquier. Special Issue of *Isogloss Open Journal of Romance Linguistics*, 8(2)/17, 1–18. doi:[10.5565/rev/isogloss.116](https://doi.org/10.5565/rev/isogloss.116)
- 2021 Bidirectionality of language contact: Spanish and Catalan vowels. *Proceedings of the Linguistics Society of America*, 6(1), 159–172. doi:[10.3765/plsa.v6i1.4956](https://doi.org/10.3765/plsa.v6i1.4956)

## SELECTED PRESENTATIONS

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- Apr 2022 Utilizing density-controlled vowel space area to examine the role of language dominance in the acquisition of Spanish and English vowel reduction patterns. Talk presented at New Sounds 2022 in Barcelona.

Jan 2022	Medium shifting as a constraint on intraspeaker variation in virtual interviews. Talk presented at the LSA 2022 Annual Meeting in D.C. (with Isaac Bleaman and Katie Cugno).
Oct 2021	Increased intelligibility (but not formality) in Zoom interviews. Talk presented virtually at NWAV 49 (with Isaac Bleaman and Katie Cugno).
Jan 2021	Bidirectionality of language contact: Spanish and Catalan vowels. Poster presented virtually at the LSA 2021 Annual Meeting.
Nov 2020	Bay Area Spanish: Regional sound change in contact languages. Talk presented virtually at Going Romance 34.
Jul 2020	Sociophonetic variability in the production of Spanish /e/ by Catalan-Spanish bilinguals in Barcelona. Talk presented virtually at LSRL50.
Oct 2019	Merger in production and perception? Bilingual discrimination of Spanish /β/ and /v/. Talk presented at HLS at the University of Texas at El Paso (with Gabriella Licata and Rachel Weiher).

## TEACHING EXPERIENCE

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Fall 2022	<b>Introduction to Hispanic Linguistics - Sole Instructor</b> Dept. of Spanish and Portuguese - UC Berkeley
Fall 2021	<b>Spanish 3 - Sole Instructor</b> Dept. of Spanish and Portuguese - UC Berkeley
Fall 2021	<b>Introduction to Hispanic Linguistics - Reader</b> Dr. Justin Davidson Dept. of Spanish and Portuguese - UC Berkeley
AY 20-21	<b>Spanish 2 - Sole Instructor</b> Dept. of Spanish and Portuguese - UC Berkeley
AY 19-20	<b>Spanish 1 - Sole Instructor</b> Dept. of Spanish and Portuguese - UC Berkeley
Fall 2018	<b>Introduction to Sociolinguistics - Reader</b> Dr. Richard Rhodes Dept. of Linguistics - UC Berkeley

## FELLOWSHIPS AND AWARDS

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2023-2024	<b>Phi Beta Kappa Graduate Fellowship - Dissertation Research</b> Phi Beta Kappa Northern California Association
2021-2022	<b>Outstanding Graduate Student Instructor Award</b> Department of Spanish and Portuguese - UC Berkeley
Spring 2022	<b>RLL Continuing Fellowship</b> Romance Languages and Literatures Ph.D. Program - UC Berkeley
2021-2022	<b>John L. Simpson Pre-Dissertation Research Fellowship</b> Institute of International Studies - UC Berkeley
Summer 2019	<b>Foreign Language and Area Studies (FLAS) Award</b> Intensive study of Catalan in Barcelona, Spain Institute of European Studies - UC Berkeley

Spring 2018	<b>Outstanding Student Award</b> Dept. of Chemistry and Biochemistry - Baylor University Dept. of Spanish - Baylor University
2017-2018	<b>Dr. Robert E. Graves Scholarship</b> Dept. of Chemistry and Biochemistry - Baylor University

## SERVICE AND INVOLVEMENT

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### Editorial Work

2021-2023	<b>Editorial Assistant</b> <i>The Cambridge Handbook of Bilingual Phonetics and Phonology.</i> Mark Amengual (Ed.)
2019-2020	<b>Co-Editor of the Graduate Journal <i>Lucero</i>, Volume 25</b> Dept. of Spanish and Portuguese - UC Berkeley

### Department of Spanish and Portuguese Research Apprenticeship Program

Spring 2023	Kirk Monzon-Mendez and Maria Castillo Moreno. “Conduct Spanish production and perception tasks over Zoom”
Spring 2023	George Flint, Chanhee Lee, Julian Vargo, Erin Krantz, and Averie Burke. “Praat analysis of English, Spanish, and Catalan production of lexical stress”
Fall 2022	Yenni Cadenas Leon. “Third language acquisition by L1 English-L2 Spanish-L3 Catalan learners”
Fall 2022	Shantal Saloma Gomez and Da Kyung Lee. “Trilingual production and perception of lexical stress”

### Co-organizer of Talks and Events

Apr 2021	Daniel Erker. <i>Boston University.</i> <b>Language Variation and Change Reading Group.</b> UC Berkeley. “How Social Salience can Illuminate the Outcomes of Linguistic Contact: Data from Spanish in Boston”
Mar 2021	Mark Amengual. <i>University of California, Santa Cruz.</i> <b>Language Variation and Change Reading Group.</b> UC Berkeley. “How Flexible are the Sound Systems of Multilingual Speakers?”
Feb 2021	Jonathan Rosa. <i>Stanford University.</i> <b>Language Variation and Change Reading Group.</b> UC Berkeley. “Do You Hear What I Hear?: A Raciolinguistic Perspective on the Perceiving Subject”
Oct 2020	Naomi Lapidus Shin. <i>University of New Mexico.</i> <b>Language Variation and Change Reading Group.</b> UC Berkeley. “The Ontogeny of Grammatical Variation”
Nov 2019	Lal Zimman. <i>University of California, Santa Barbara.</i> <b>Language Variation and Change Reading Group.</b> UC Berkeley. “Incorporating Non-Normatively Gendered Speakers into Empirical Linguistic Research”

### Organizations

2019-2023	<b>Member of the Sociolinguistics Lab (SLaB)</b> Dept. of Linguistics - UC Berkeley
2019-2021	<b>Co-Organizer of the Language Variation and Change Working Group</b> Townsend Center - UC Berkeley

### Departmental Service

2020-2023	<b>Editor of the RLL Newsletter</b> Romance Languages and Literatures Ph.D. Program - UC Berkeley
Oct 2022	<b>Student Representative at the Graduate Diversity Admissions Fair</b> Romance Languages and Literatures Ph.D. Program - UC Berkeley
Spring 2018	<b>Spring Visit Graduate Representative</b> Dept. of Spanish and Portuguese - UC Berkeley
2016-2018	<b>Student Member of Curriculum Committee</b> College of Arts and Sciences - Baylor University

## SKILLS

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Technical	Python, R, Git, Praat, L <sup>A</sup> T <sub>E</sub> X, Emacs, TANDEM-STRAIGHT, Prolific, Qualtrics, HTML, PsychoPy, Voicesauce
Industry	Audio processing, forced alignment with acoustic models, ML (Scikit-learn, TensorFlow), NLP (NLTK, SpaCy), data analysis, phonetic transcription, speaker normalization, research design
Languages	English ( <i>Native</i> ), Spanish ( <i>Advanced</i> ), Catalan ( <i>Intermediate</i> ), French ( <i>Beginner</i> ), Latin ( <i>Reading</i> )

## WORKSHOPS GIVEN

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Oct 2020	<a href="#">k-Means Clustering and Factor Analysis</a> Sociolinguistics Lab (SLaB) - UC Berkeley
Dec 2019	<a href="#">Generating Continua in TANDEM-STRAIGHT</a> Sociolinguistics Lab (SLaB) - UC Berkeley

## RESEARCH EXPERIENCE

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2023	<b>Extending the cue-weighting transfer hypothesis to trilinguals</b> Production and perception of English-Spanish-Catalan trilinguals over Zoom
2020-2022	<b>Acoustic correlates of intelligibility</b> Corpus study using novel methodology of density-controlled vowel space area
Summer 2019	<b>Sociophonetic production</b> Sociolinguistic interviews and word elicitation - Barcelona, Spain
2019	<b>Sociophonetic perception</b> Allophonic discrimination task - Bay Area, California
Summer 2016	<b>Organic Chemistry Undergraduate Researcher</b> Kane Lab - Baylor University
Summer 2015	<b>Manufacturing Intern</b> Haemotologic Technologies, Inc. - Essex, Vermont

## PROFESSIONAL MEMBERSHIPS

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Linguistic Society of America  
Phi Beta Kappa