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#### Academic Positions

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| <b>2022-Present</b> | Assistant Professor of Psychology<br>California State University, Channel Islands |
| <b>2020-2022</b>    | Lecturer in Linguistics<br>University of California, Santa Barbara                |
| <b>2019-2022</b>    | Lecturer in Psychology<br>California State University, Channel Islands            |

#### Education

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| <b>2019</b> | Ph.D. in Psychology<br>University of California, Santa Cruz<br>Advisor: Alan H. Kawamoto<br>Dissertation: "Does articulation during speeded naming reveal continuous negotiation of parallel constraints?" |
| <b>2016</b> | M.S. in Psychology<br>University of California, Santa Cruz   |
| <b>2014</b> | B.A. in Psychology<br>California State University, Channel Islands   |

#### Honors and Awards

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| <b>2019</b>      | Graduate Travel Award<br>Psychonomic Society Annual Meeting   |
| <b>2015-2018</b> | Perlino Award<br>University of California, Santa Cruz<br>Summer funding for research benefitting the hearing impaired community<br>(Three-time recipient) |

Revised: August 2023

- 2017** Kappa Alpha Theta Certificate of Appreciation  
University of California, Santa Cruz  
Awarded to educators who inspired members of the Theta XI chapter
- 2015** Regent's Fellowship  
University of California, Santa Cruz

#### Peer-Reviewed Publications

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- Virues-Ortega, J., Pérez-Bustamante Pereira, A., Martin, N., Moeyaert, M., **Krause, P. A.**, Tarifa-Rodriguez, A., Trujillo, C., & Sivaraman, M. (2023). Reducing face touching through haptic feedback: A treatment evaluation against fomite-mediated self-infection. *Journal of Applied Behavior Analysis*. Early-view publication.
- Krause, P. A.**, & Kawamoto, A. H. (2021). Predicting one's turn with both body and mind: Anticipatory speech postures in dyadic conversation. *Frontiers in Psychology, 12*: 68428.
- Liu, Q., Holbrook, B. B., Kawamoto, A. H. & **Krause, P. A.** (2021). Verbal reaction times based on tracking lip movement. *Journal of the Mental Lexicon, 16*(2).
- Krause, P. A.**, Kay, C. A., & Kawamoto, A. H. (2020). Automatic motion tracking of lips using digital video and OpenFace2.0. *Laboratory Phonology: Journal for the Association of Laboratory Phonology, 11*(1): 9, 1-16.
- Krause, P. A.** & Kawamoto, A. H. (2020). On the timing and coordination of articulatory movements: Historical perspectives and current theoretical challenges. *Language and Linguistics Compass, e12373*.
- Krause, P. A.** & Kawamoto, A. H. (2020). Nuclear vowel priming and anticipatory oral postures: Evidence for parallel phonological planning? *Language, Cognition, & Neuroscience, 35*(1), 106-123.
- Krause, P. A.**, & Kawamoto, A. H. (2019). Anticipatory mechanisms influence articulation in the form preparation task. *Journal of Experimental Psychology: Human Perception and Performance, 45*(3), 319-335.

#### Manuscripts Under Review

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- Krause, P. A.**, Pili, R. J., & Hunt, E. (under review). A process for measuring lip kinematics using participants' webcams during linguistic experiments conducted online.
- Broś, K., & **Krause, P. A.** (revision under review). Stop lenition in Canary Islands Spanish – A motion capture study.

Revised: August 2023

### Talks Presented or Coauthored at Professional Meetings

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Broś, K., & **Krause, P. A.** (presented by Broś) (2023, May). *Motion capture evidence for containment in Spanish stop lenition*. Thirtieth Manchester Phonology Meeting. Manchester, U.K.

**Krause, P. A.** (2022, May). *Understanding anticipatory speech postures: Does coarticulation extend outside the acoustic utterance?* 182<sup>nd</sup> Meeting of the Acoustical Society of America. Denver, CO.

### Posters Presented or Coauthored at Professional Meetings

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**Krause, P. A.**, Barkman, V., Luna, A., & Luna, J. (upcoming 2023, November). *The role of facial visibility in perceiver's judgments of speech onset times*. 64<sup>th</sup> Annual Meeting of the Psychonomic Society. San Francisco, CA.

Broś, K., & **Krause, P. A.** (2023, January). *Stop lenition in Canary Islands Spanish – A motion capture study*. Old World Phonology 20. Tours, France.

**Krause, P. A.**, & Kawamoto, A. H. (2019, November). *Nuclear vowel priming and anticipatory oral postures: Evidence for parallel phonological planning?* 60<sup>th</sup> Annual Meeting of the Psychonomic Society. Montreal, Canada.

Liu, Q., Holbrook, B. B., Kawamoto, A. H., & **Krause, P. A.** (2018, July). *Articulatory and acoustic latency indices of articulatory level effects in the naming of monosyllabic stimuli*. International Workshop in Language Production 2018. Nijmegen, Netherlands.

**Krause, P. A.**, & Kawamoto, A. H. (2016, July). *The dynamics of early response preparation during the form preparation task*. International Workshop in Language Production 2016. La Jolla, CA.

**Krause, P.**, & Kawamoto, A. H. (2015, November). *Evidence for pre-trial articulation during form preparation*. 56<sup>th</sup> Annual Meeting of the Psychonomic Society. Chicago, IL.

### Invited Talks and Colloquia

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*Measuring lip movements in online speech experiments.*

California State University, Channel Islands. Computer Science Seminar Series. February 6, 2023.

*All in the timing: How speech planning flexibly coordinates with speech action.*

Mississippi State University (virtual meeting). Cognitive Area Colloquium. February 4, 2022.

Revised: August 2023

*Predicting one's turn with both body and mind: Anticipatory speech postures during dyadic conversation.*

University of Southern California (virtual meeting). Speech Production and Articulation kKnowledge (SPAN) Group. August 4, 2021.

## Teaching Experience

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### **Assistant Professor, California State University, Channel Islands**

*Learning, Cognition, & Perception* – Spring 2023 (2 sections)

*Behavioral Neuroscience* – Fall 2022

*History & Systems of Psychology* – Fall 2022

### **Lecturer, California State University, Channel Islands**

*Behavioral Neuroscience* – Summer 2022

*Learning, Cognition, & Perception* – Spring 2022, Spring 2021, Fall 2019

*Research and Statistical Methods for Psychology I & II* – Spring 2022 (Part II), Fall 2021 (1 section Part I, 1 section Part II), Spring 2021 (1 Section Part I, 1 Section Part II), Fall 2020 (1 Section Part I, 1 section Part II), Spring 2020 (Part II), Fall 2019 (Part II)

*History & Systems of Psychology* – Spring 2022, Fall 2021

### **Lecturer, University of California, Santa Barbara**

*Auditory Phonetics* – Spring 2022

*Advanced Phonetics* (Graduate-level seminar) – Spring 2020

*Statistics for Linguists* – Spring 2020

### **Graduate Student Instructor, University of California, Santa Cruz**

*Cognition: Fundamental Theories* – Summer 2019, Summer 2017

*Psychology of Reading* – Winter 2019, Fall 2018

### **Graduate Teaching Assistant, University of California, Santa Cruz**

*Research Methods in Psychology* – Spring 2019, Spring 2015, Fall 2015

*Cognitive Neuroscience* – Spring 2018

*Perception* – Winter 2018

*Human Evolution* – Fall 2017

*Psychological Statistics* -Spring 2017

*Psychology of Reading* – Winter 2017, Winter 2016, Fall 2014

*Neural Modeling* – Fall 2016, Spring 2016

## Service

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### **2019-present**

Ad-hoc Reviewer for:

*Journal of Memory & Language*

*Frontiers in Psychology*

*Language, Cognition, & Neuroscience*

Revised: August 2023

*Memory & Cognition*  
*Psychonomic Bulletin & Review*

- 2022-present** Member, CSUCI Non-Tenure-Track Faculty Equity Task Force
- Professional Contact, Psychology Research & Experience Program (PREP) Internship Program
- SONA Systems Admin for CSUCI Psychology Department
- 2022-2023** Trainee in NIH-grant-funded program for enriching diversity in STEM  
Two courses:  
Inclusive Mentorship (Fall 2022)  
Getting the Most out of CURES (Spring 2023)
- Proposed curricular adjustments to in-development Masters-level course in Cognitive Psychology (CSUCI)
- 2023** Participant in online workshop about equitable peer-review practices for social science publishing, presented by Reviewer Zero
- Poster & Talk Judge, CSUCI Student Research Conference
- Psychology table worker, Admitted Dolphin Day (Admitted students day for CSUCI)
- CSUCI Representative to CSU-wide STEM-NET Conference  
(Coauthor of poster: *Embracing diversity in the dolphin pod: Increasing presentation in CSUCI STEM majors.*)
- 2022** Peer evaluation of CSUCI Psychology Lecturer
- 2020** Generated Qualtrics tutorial for CSUCI faculty
- 2016-2019** Teaching assistant mentor for first-time teaching assistants
- 2018-2019** Panelist, UCSC informational panel on careers in Cognitive Science
- 2019** Lab tour guide for Women in Science and Engineering (WISE) event

Memberships and Affiliations

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- 2019-present** Acoustical Society of America

Revised: August 2023

**2015-present**            Psychonomic Society

**2016-2018**            International Workshop in Language Production

### Technical Skills

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- R Statistical Package (including lme4)
- Statistical Package for the Social Sciences (SPSS)
- Python programming (including Matplotlib and PsychoPy)
- JavaScript programming (including jsPsych)
- Face tracking using OpenFace 2.0
- Face tracking using MediaPipe FaceMesh
- Motion tracking using Adobe AfterEffects
- PRAAT phonetic software package
- Qualtrics

### Research Interests

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My research looks at the boundary where intention becomes action, in the domain of speech. How, when, and under what conditions are speech plans realized as articulatory and acoustic events? I carry out this work through a novel coupling of psycholinguistic tasks (word reading and, more recently, conversation analysis) with articulatory measurement. My work suggests that even fragmentary plans of what to say next can measurably influence the set of the lips, long before the high-speed movements traditionally associated with articulation kick in. These “early” embodied anticipations arise not just in controlled laboratory tasks but in unstructured natural conversation. One possible explanation is that speakers *control* (i.e., gate, or throttle) the flow from intention to action in real time. Such a mechanism might benefit inter-speaker coordination during conversation. This possibility is theoretically important, since models of speech production have historically concerned themselves only with how actions are coordinated *within* utterances, thus ignoring the communicative *context* in which speech usually occurs.

A secondary interest (intimately entangled with the first) is in accessible and affordable measurement of speech-relevant lip movement. My work in this area has emphasized cost-free face-tracking software. Recently, this approach has yielded a means of using web-based tools to measure lip movements through participants’ webcams, allowing articulation to be captured in the context of remote, in-browser experiments.