

# Jeremy Steffman

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## EMPLOYMENT

2021-      Postdoctoral Researcher  
            Department of Linguistics  
            Northwestern University

## EDUCATION

2020      University of California, Los Angeles  
            PhD, Linguistics  
            Dissertation: *Prosodic prominence in vowel perception and spoken language processing*  
            Committee: Sun-Ah Jun (chair), Pat Keating, Megha Sundara, and Taehong Cho

2018      University of California, Los Angeles  
            MA, Linguistics

2016      University of California, Berkeley  
            BA, Linguistics and French  
            *Highest Distinction in Letters & Science*  
            *Phi Beta Kappa*

## PUBLICATIONS

### JOURNAL ARTICLES

2021      Steffman, J. Prosodic prominence effects in the processing of spectral cues. *Language, Cognition and Neuroscience*.

2020      Steffman, J. & Katsuda, H. Intonational structure influences perception of contrastive vowel length: The case of phrase-final lengthening in Tokyo Japanese. *Language and Speech*.

2019      Steffman, J. & Jun, S.-A. Perceptual integration of pitch and duration: Prosodic and psychoacoustic influences in speech perception. *The Journal of the Acoustical Society of America*, 146(3), EL251–EL257.

Steffman, J. Phrase-final lengthening modulates listeners' perception of vowel duration as a cue to coda stop voicing. *The Journal of the Acoustical Society of America*, 145(6), EL560–EL566.

Steffman, J. Intonational structure mediates speech rate normalization in the perception of segmental categories. *Journal of Phonetics*, 74, 114–129.

2018 Steffman, J. Nominal inflection in the Safané dialect of Dafing: Ternary quantity contrasts and morphologically conditioned phonology. *Journal of West African Languages*, 45(1), 89–124.

#### PEER-REVIEWED PROCEEDINGS

forthcoming Steffman, J. & Jun, S.-A. Prosodic prominence in speech perception: The influence of focus prosody on the perception of durational and spectral cues. *Proceedings of the 38th annual meeting of the West Coast Conference on Formal Linguistics*.

2020 Katsuda, H. & Steffman, J. Intonational cues to prosodic boundary influence perception of contrastive vowel length in Tokyo Japanese. *Proceedings of the 10th International Conference on Speech Prosody*, 56–60.

2019 Steffman, J. & Jun, S.-A. Effects of prosodic structure versus durational context on the perception of segmental categories: The case of focus realization. *Proceedings of the International Congress of Phonetic Sciences 2019*.

Steffman, J. Testing the influence of distal rhythmic structure on listeners' perception of durational cues. *Proceedings of International Congress of Phonetic Sciences 2019*.

Steffman, J. & Jun, S.-A. Listeners integrate pitch and durational cues to prosodic structure in word categorization. *Proceedings of the 93rd annual meeting of Linguistic Society of America*, 4(1).

2018 Steffman, J. Listeners are sensitive to prosody in segmental categorization. *Proceedings of the 9th International Conference on Speech Prosody*, 274–278

Steffman, J. Phrase final lengthening modulates categorization of vowel length as a cue to obstruent voicing in English. *Proceedings of Meetings on Acoustics*, 33.

2017 Steffman, J. Tonal cues to prosodic structure modulate voice onset time categorization. *Proceedings of Meetings on Acoustics*, 31.

#### EDITED VOLUMES

2016 Rolle, N., Steffman, J., & Sylak–Glassman, J. (Eds.) *Proceedings of the Thirty Sixth Annual Meeting of the Berkeley Linguistics Society*, February 6–7, 2010. Berkeley: Berkeley Linguistics Society.

#### MANUSCRIPTS

submitted Steffman, J. Rhythmic effects in rate-dependent speech perception.

Steffman, J. Perceptual effects of prominence strengthening in high front vowels.

in prep.

Steffman, J. & Jun, S.-A. Tonal cues to prosodic structure in rate-dependent speech perception.

Steffman, J. & Sundara, M. Disentangling the role of biphone probability from neighborhood density in the perception of nonwords

Steffman, J. Initial glottalization as a prominence cue in vowel perception.

## PRESENTATIONS<sup>1</sup>

### CONFERENCE TALKS

- 2021 Steffman J. “Prominence effects in vowel perception: Testing sonority expansion and hyperarticulation”. Presented virtually at the 95th annual meeting of Linguistic Society of America. San Francisco, CA. January 7-10.
- \*Steffman, J., Sahyang, K., Cho, T. & Jun, S.-A. “Prosodic phrasing is integrated in segmental speech perception: Evidence from the Korean Accentual Phrase”. Presented virtually at the 95th annual meeting of Linguistic Society of America. San Francisco, CA. January 7-10.
- \*Katsuda, H. & \*Steffman, J. “The role of segment and pitch accent in Japanese spoken word recognition”. Presented virtually at the 95th annual meeting of Linguistic Society of America. San Francisco, CA. January 7-10.
- \*Faytak, M. & Steffman, J. “Mixed voice in Yemba voiced aspirates”. Presented virtually at the 95th annual meeting of Linguistic Society of America. San Francisco, CA. January 7-10.
- 2020 \*Katsuda, H. & Steffman, J. “Intonational cues to prosodic boundary influence perception of contrastive vowel length in Tokyo Japanese“. Presented virtually at the 10th International Conference on Speech Prosody. Tokyo, Japan. May 25-28.
- \*Steffman J. & Jun, S.-A. “Prosodic prominence in speech perception: the influence of focus structure on the perception of durational and spectral cues”. Presented at the 38th meeting of the West Coast Conference on Formal Linguistics. Vancouver, BC. March 6-8.
- \*Steffman J. & Jun, S.-A. “Prosodic cues facilitate speech rate normalization: exploring listener sensitivity to prosody in speech perception”. Presented at the 94th annual meeting of Linguistic Society of America. New Orleans, LA. January 2-5.
- 2019 \*Steffman J. & Jun, S.-A. “Effects of prosodic structure versus durational context on the perception of segmental categories: The case of focus realization”. Presented at the International Congress of Phonetic Sciences 2019. Melbourne, Australia. August 5-9.
- Steffman, J. “Distal rhythmic structure and speech rate in perception: exploring prosodic and rate-dependent influences”. Presented at the Hanyang International Symposium on Phonetics and Cognitive Sciences of Language (HISPhonCog 2019). Seoul, South Korea. May 24-25.

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<sup>1</sup>\* indicates presenting author(s)

\*Steffman J. & Jun, S.-A. “Listeners integrate pitch and durational cues to prosodic structure in word categorization”. Presented at the 93rd annual meeting of Linguistic Society of America. New York, NY. January 3-6.

2018 Steffman, J. “Intonational categories and implicit speech rate normalization: evidence for awareness of prosody in rate dependent speech perception”. Presented at Experimental and Theoretical Advances in Prosody 4. Amherst, MA. October 11-13.

Steffman, J. “Listeners are sensitive to prosody in segmental categorization”. Presented at the 9th International Conference on Speech Prosody. Poznań, Poland. June 13-16.

Steffman, J. “Intonational structure mediates speech rate normalization in the perception of speech segments”. Presented at the Hanyang International Symposium on Phonetics and Cognitive Sciences of Language (HISPhonCog 2018). Seoul, South Korea. May 18-19.

Steffman, J. “Linguistically informed rate normalization: Intonational influences on segmental categorization”. Presented at the 44th Meeting of the Berkeley Linguistics Society. Berkeley, CA. February 9-11.

#### CONFERENCE POSTERS

2021 \*Weller, J. & Steffman, J. “Effects of aspiration and voicing on vowel acoustics in Yemba”. Presented virtually at the 95th annual meeting of Linguistic Society of America. San Francisco, CA. January 7-10.

2020 Steffman, J. “Prominence effects on the processing of spectral cues: testing sonority expansion in perception”. Presented virtually at LabPhon 17. Vancouver, Canada. July 6–8.

\*Faytak M., Steffman, J. & Tankou R. “True voiced aspirates in Yemba”. Presented virtually at LabPhon 17. Vancouver, Canada. July 6–8.

Steffman, J. “Prominence effects on pre-lexical processing: time-course evidence from vowel perception”. Presented at the 33rd annual CUNY Conference on Human Sentence Processing. Amherst, MA. March 19-21.

2019 \*Katsuda, H. & Steffman, J. “Exploring the influence of intonational structure on perception of contrastive vowel length in Tokyo Japanese”. Presented at the 178th Meeting of the Acoustical Society of America. San Diego, CA. December 2-6.

\*Steffman, J. & Sundara, M. “Biphone probability and neighborhood density effects on phonetic categorization”. Presented at the 178th Meeting of the Acoustical Society of America. San Diego, CA. December 2-6.

Steffman, J. “Influences of preceding speech rate and prosodic position on listeners’ perception of durational cues”. Presented at the 178th Meeting of the Acoustical Society of America. San Diego, CA. December 2-6.

Steffman, J. “Testing the influence of distal rhythmic structure on listeners’ perception of durational cues”. Presented at the International Congress of Phonetic Sciences 2019. Melbourne, Australia. August 5-9.

Steffman, J. “Distal rhythmic patterns influence listeners’ processing of phonetic cues”. Presented at the 32nd Annual CUNY Conference on Human Sentence Processing. Boulder, CO. March 29-31.

2018 Steffman, J. “Contextual effects of duration and F0 on segmental categorization: Intonation matters”. Presented at LabPhon 16. Lisbon, Portugal. June 19–22.

Steffman, J. “Listeners compensate for prosodic position when categorizing word–final obstruents”. Presented at the 175th Meeting of the Acoustical Society of America. Minneapolis, MN. May 7-11.

2017 Steffman, J. “F0 as a cue to prosodic structure in voice onset time categorization”. Presented at the 174th Meeting of the Acoustical Society of America. New Orleans, LA. December 4-8.

#### INVITED TALKS

2019 Steffman, J. “Exploring rhythmic effects in speech perception”. Presented at UC Santa Barbara Phonetics Seminar. Santa Barbara, CA. May 10.

Steffman, J. “Prosody mediates listeners’ perception of durational cues”. Presented at UC Berkeley Phonetics and Phonology Forum. Berkeley, CA. February 25.

2016 Steffman, J. “Prosodic transfer: A phonetic study of L2 English prosody produced by L1 French speakers”. Presented at UC Berkeley Phonetics and Phonology Forum. Berkeley, CA. March 14.

## TEACHING (UCLA)

#### INSTRUCTOR

spring 2020 College Teaching of Linguistics (LING 495)  
summer 2019 Phonology I (LING 120A)

#### TEACHING ASSOCIATE/ASSISTANT

winter 2020 Experimental Phonetics (LING 104). Taught by Sun-Ah Jun.  
spring 2019 Introduction to Applied Phonetics (LING 102). Taught by Megha Sundara.  
spring 2018 Phonological Structures (LING 119A). Taught by Meredith Landman.  
winter 2018 Phonology II (LING 165A). Taught by Roslyn Burns.  
fall 2017 Introduction to Linguistic Analysis (LING 20). Taught by Dylan Bumford.

#### GUEST LECTURES

7/9/19 “EGG as a tool in phonetic data analysis”, Field Methods (LING 160)  
5/1/18 “Rule ordering”, Phonological Structures (LING 119A)  
3/1/18 “Phrasal phonology in OT”, Phonology II (LING 165A)

## PROFESSIONAL ACTIVITIES

### REVIEWING (AD HOC)

Journals Journal of Phonetics, Journal of West African Languages, Lingua  
Conferences LabPhon, Southern California Undergraduate Linguistics Conference

### PROFESSIONAL MEMBERSHIP

since 2019 International Phonetic Association  
since 2018 Association for Laboratory Phonology  
since 2017 Acoustical Society of America  
since 2016 Linguistic Society of America

### DEPARTMENTAL SERVICE

2019-20 TA Consultant for the UCLA Department of Linguistics  
2019-20 Ladder faculty (computational linguistics) search committee student member  
2018-19 Chairperson of the UCLA Colloquium Committee  
2018-19 Vice President of the UCLA Graduate Linguistics Circle

### OTHER RESEARCH ACTIVITIES

2019-20 Graduate student researcher, UCLA (P.I. Sun-Ah Jun)  
2015-16 Research assistant, UC Berkeley Phonetics and Phonology Lab (P.I. Keith Johnson)

## HONORS AND AWARDS

### SCHOLARSHIPS AND FELLOWSHIPS

2020 Ladefoged Scholarship, UCLA Dept. of Linguistics (\$600)  
2020-21 Dissertation Year Fellowship, UCLA Graduate Division (\$20,000)  
2019-20 Mellon Pre-Dissertation Fellowship (\$7,915)  
2019 IPA Student Travel Award, ICPhS 2019 (£600)  
2018-19 Graduate Research Mentorship Fellowship, UCLA Graduate Division (\$20,000)  
2018 Graduate Summer Research Mentorship Fellowship, UCLA Graduate Division (\$6,000)  
2017 Graduate Summer Research Mentorship Fellowship, UCLA Graduate Division (\$6,000)  
2015 UC Berkeley Paul Brun Memorial Scholarship (\$1,573)  
2014-16 Francis F. Viele Scholarship (\$4,000)

### OTHER HONORS

First place LSA Student Abstract Award 2021 (with Hironori Katsuda)  
Citation for Outstanding Achievement in the Major, UC Berkeley Linguistics  
Departmental Certificate, UC Berkeley French  
Dean's List Honors, UC Berkeley

## TECHNICAL SKILLS

Experiments: OpenSesame, Appsobabble, SR Experiment Builder, Ibex Farm, Labvanced

Acoustic analysis: Praat, Audacity, PCquirerX, VoiceSauce

Speech synthesis and manipulation: Praat, Synthworks, MATLAB (STRAIGHT)

Eyetracking: SR Eyelink 1000

EGG: Glottal enterprises EG2, EGGWorks

Other: R, html, CSS, MS Office, L<sup>A</sup>T<sub>E</sub>X