

# KAREE GARVIN

Harvard University ◊ Department of Linguistics  
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## PROFESSIONAL EXPERIENCE

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**Postdoctoral Researcher** *January 2022 - Present*  
NSF grant: *Speech and Communicative Timing Across Languages and Linguistic Contexts*  
Harvard University, Department of Linguistics *June 2022 - present*  
University of Delaware, Department of Linguistics & Cognitive Science *January 2022 - June 2022*

## EDUCATION

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**University of California, Berkeley, PhD** 2021  
Department of Linguistics  
MA Thesis: *Progressive fronting in Nafaanra: a case study of altruistic movement*  
Dissertation: *Word medial syllabification and gestural coordination*

**University of Iowa, MA** 2016  
Department of Linguistics

**Idaho State University, MS** 2014  
Department of Anthropology

**Idaho State University, BA** 2012  
Department of English: Major in Creative Writing; Minor in Russian and Linguistics

## PEER-REVIEWED PUBLICATIONS

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**Garvin, Karee**, Eliana Spradling, & Kathryn Franich (2025). Co-speech gestures influence the magnitude and stability of articulatory movements: Evidence for coupling-based enhancement. *Scientific Reports*. [article]

**Garvin, Karee** & Kathryn Franich (2023). Gestural alignment and accommodation in speaker-listener head gestures. *International Congress of Phonetic Sciences*. [pdf]

Dych, Walter\*, **Karee Garvin\***, & Kathryn Franich (2023). Comparing manual vs. semi-automated methods for the coding of co-speech gestures. *International Congress of Phonetic Sciences*. [pdf]

Zaslavsky, Noga\*, **Karee Garvin\***, Charles Kemp, Naftali Tishby, & Terry Regier (2022). The evolution of color naming reflects pressure for efficiency: Evidence from the recent past. *Journal of Language Evolution*. [article]

Zaslavsky, Noga\*, **Karee Garvin\***, Charles Kemp, Naftali Tishby, & Terry Regier (2019). Evolution and efficiency in color naming: The case of Nafaanra. *CogSci 2019*: 68. [pdf]

**Garvin, Karee\***, Anna Macknick\*, Katie Russell\*, & Hannah Sande\*, (in press). STAMP morphs and non-pronominal STAMP in West Africa: typology and areal distributions. *Between Niger-Congo and Macro-Sudan Belt: Diedrich Westermann's legacy on West-central African linguistic history*. Language Science Press. [pdf]

**Garvin, Karee** (resubmitted). Gestural timing of heterorganic and homorganic clusters in English. *Phonetica*. [manuscript draft]

**Garvin, Karee\*** & Myriam Lapierre\* (resubmitted). A Q-Theoretic Model of Vowel Strength. *Phonology*. [manuscript draft]

**Garvin, Karee** (submitted). A constraint-based model of articulatory pressures on English phonotactic frequency. Special issue in series *Oxford Studies in Phonology and Phonetics*. [manuscript draft]

**Garvin, Karee\***, Katie Russell\*, & Hannah Sande\*, (revise and resubmitt). There is no unified generative analysis of STAMP morphs. *Morphology*.

**Garvin, Karee** (in prep). Jaw oscillation and variable syllabification. *Journal of Phonetics*. [abstract]

**Garvin, Karee\*** & Myriam Lapierre\* (in prep). Typological patterns in vowel strength: a q-theoretic approach. *Phonology*.

**Garvin, Karee\***, Darya Kavitskaya\*, & Myriam Lapierre\* (in prep). A q-theoretic analysis of Scottish Gaelic inserted vowels. *Phonological Data and Analysis*.

\*indicates equally contributing first authors

#### INVITED PEER-REVIEWED PUBLICATIONS

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**Garvin, Karee**, Yuxuan (Melody) Wang, & Kathryn Franich (submitted). Coupling enhancement: the effect of co-speech gesture and stress on gestural coordination and alignment. *Laboratory Phonology*. [manuscript draft]

**Garvin, Karee**. (in prep). Experimental phonology. In P. Milin (Ed.), *Encyclopedia of language and linguistics*. Amsterdam: Elsevier.

#### PROCEEDINGS PUBLICATIONS

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Schwarz, Martha; Lapierre, Myriam; **Garvin, Karee**; & Inkelas, Sharon (2020). Recent advances in Q Theory: Segment strength. *Proceedings of the Linguistic Society of America*. [pdf]

**Garvin, Karee**; Inkelas, Sharon; Lapierre, Myriam; & Schwarz, Martha; (2020). Modeling Vowel Quantity Scales in Q Theory. *Proceedings of the 2019 Annual Meeting on Phonology*. [pdf]

**Garvin, Karee**; Lapierre, Myriam; & Inkelas, Sharon (2018). A Q-theoretic approach to distinctive subsegmental timing. *Proceedings of the Linguistic Society of America*. [pdf]

#### WORKING PAPERS

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**Garvin, Karee** (2019). Progressive fronting in Nafaanra: a case study of altruistic movement. *Berkeley Papers in Formal Linguistics*, Volume 2. [pdf]

**Garvin, Karee** (2018). An acoustic outlook on initial stops in Northern Shoshoni. *University of California, Berkeley PhonLab Annual Report*, Volume 14. [pdf]

**Garvin, Karee** (2014). Shoshoni oral narratives: Impacts of narrative for cultural preservation and language learning. *Idaho State University, Department of Anthropology Working Papers*. [Masters Thesis]

#### ARCHIVE COLLECTIONS

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**Garvin, Karee**, Western Ghana Color Naming, SCL 2019-32, Survey of California and Other Indian Languages, University of California, Berkeley. [doi:10.7297/X2VH5MCR]

**Garvin, Karee**, Nafaanra Documentation Project, SCL 2017-11, Survey of California and Other Indian Languages, University of California, Berkeley. [doi:10.7297/X2V98672]

**Garvin, Karee**; Hermalin, Noah; Melguy, Yevgeniy; Micheal, Lev; Scott, Tessa; & Wilbanks, Eric, Berkeley Field Methods: Mam (San Juan Atitán), SCL 2017-07. Survey of California and Other Indian Languages, University of California, Berkeley. [doi:10.7297/X2XP73JW]

#### EDITED VOLUMES

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**Garvin, Karee**; Hermalin, Noah; Lapierre, Myriam; Melguy, Yevgeniy; Scott, Tessa; & Wilbanks, Eric (Eds.) (2018). *Proceedings of the 44th Annual Meeting of the Berkeley Linguistics Society*. Berkeley, California. [pdf]

## NON-ACADEMIC PUBLICATIONS

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- (2012) воскресенье. Black Rock and Sage Literary Magazine, Issue 11, Idaho State University. [Poetry]  
(2011) Ars Poetica: My Ink. Black Rock and Sage Literary Magazine, Issue 10, Idaho State University. [Poetry]  
(2010) Leda. Black Rock and Sage Literary Magazine, Issue 9, Idaho State University. [Short Fiction]

## INVITED TALKS

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- Garvin, Karee** (2024). The role of jaw movement in phonological patterns of syllabification. SoundLab, Northwestern, Evanston, IL.
- Garvin, Karee** (2023). Variable syllabification and jaw oscillation. Colloquium, Boston University, Boston, MA.
- Garvin, Karee** (2023). Variable syllabification and jaw oscillation. Phonology Reading Group, Yale, New Haven, CT.
- Garvin, Karee; Lapierre, Myriam; Schwarz, Martha; & Inkelas, Sharon** (2022). Subsegmental strength: quantity and quality. Phonology Circle, Michigan State, East Lansing, MI.
- Lapierre, Myriam; **Garvin, Karee; Schwarz, Martha; & Inkelas, Sharon** (2019). Modeling scalar vowel strength in Q Theory. Princeton Phonology Forum. Princeton, NJ.
- Garvin, Karee; Lapierre, Myriam; Schwarz, Martha; & Inkelas, Sharon** (2018). Developments in Q-Theory. Seminar on Subsegmental Representations, UC Santa Cruz, Santa Cruz, CA.
- Garvin, Karee** (2014). Shoshoni Oral Narratives. Idaho State University Panel on Narrative. Pocatello, ID.

## CONFERENCES

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- Dych, Walter\*, **Karee Garvin\***, & Kathryn Franich (2024). A toolkit for automating co-speech gesture data annotation and analysis. Multimodal Communication Symposium (MMSYM). Frankfurt, Germany. [Presentation]
- Garvin, Karee** & Kathryn Franich (2024). Effects of co-speech gesture on magnitude and stability of oral gestures. LabPhon. Seoul, South Korea. [Presentation]
- Dych, Walter\*, **Karee Garvin\***, & Kathryn Franich (2024). Multigest: Creating Multimodal Corpora for Co-Speech Gesture Research. CorpusPhon. Seoul, South Korea. [Presentation/Poster]
- Garvin, Karee** (2024). The role of articulatory pressure in lenition. Annual Meeting of the Linguistic Society of America, New York City, NY. [Presentation]
- Garvin, Karee** (2023). Articulatory pressures on English phonotactic frequency. Workshop on Sequencing in Phonology. Tromsø, Norway [Presentation]
- Garvin, Karee** & Kathryn Franich (2023). Gestural alignment and accommodation in speaker-listener head gestures. 20th International Congress of Phonetic Sciences. Prague, Czech Republic [Poster]
- Dych, Walter\*, **Karee Garvin\***, & Kathryn Franich (2023). Comparing manual vs. semi-automated methods for the coding of co-speech gestures. 20th International Congress of Phonetic Sciences. Prague, Czech Republic [Presentation]
- Felice, Lydia, **Karee Garvin**, Anna Macknick, Katherine Russell & Hannah Sande (2023). TAMP marking on non-pronominal subjects in the Macro-Sudan Belt. African Conference in Linguistics. UCONN [Presentation]
- Garvin, Karee** (2022). Variable syllabification and jaw oscillation. Association for Laboratory Phonology, Virtual. [Poster]
- Garvin, Karee** (2022). Implementing jaw movement constraints in the syllable architecture. 29th Manchester Phonology Meeting. [Poster]

**Garvin, Karee;** Russell, Katie; & Sande, Hannah (2021). A typology of STAMP morphs in the Macro-Sudan Belt. Diedrich Westermann's legacy between Macro-Sudan Belt and Niger-Congo: an international workshop on the linguistic history in Central Africa commemorating the 100th anniversary of the 1st professorship for African languages. Berlin, Germany. [Presentation]

**Garvin, Karee;** Russell, Katie; & Sande, Hannah (2021). There is no unified generative analysis of STAMP morphs. The 5th American International Morphology Meeting, Ohio State University in Columbus, Ohio. [Presentation]

**Garvin, Karee;** Russell, Katie; & Sande, Hannah (2021). A typological survey of STAMP morphology and phonology in the Macro-Sudan Belt. 10th World Congress of African Linguistics, Leiden University, Netherlands. [Presentation]

**Garvin, Karee & Wilbanks,** Eric (2020). Phonological encoding and the nature of segments. Association for Laboratory Phonology, Vancouver, Canada. [Poster]

**Garvin, Karee;** Lapierre, Myriam; Schwarz, Martha; & Inkelas, Sharon (2019). Modeling Vowel Quantity Scales in Q Theory. Annual Meeting on Phonology, Stony Brook, NY. [Presentation]

Lapierre, Myriam, Scott, Tessa & **Garvin, Karee.** (2019). Morphologically conditioned (sub)segmental subtraction in Mam. The 9th Conference on Indigenous Languages of Latin America (CILLA IV), University of Texas at Austin. [Presentation]

Zaslavsky, Noga; **Garvin, Karee;** Kemp, Charles; Tishby, Naftali; & Regier, Terry (2019). Evolution and efficiency in color naming: The case of Nafaanra. CogSci 2019, Montreal, Canada. [Presentation]

Lapierre, Myriam; **Garvin, Karee;** Schwarz, Martha; & Inkelas, Sharon (2019). Q-theoretic representations of vowel strength. Phonetics and Phonology Research Weekend (PHREND), Berkeley, CA. [Presentation]

Zaslavsky, Noga; **Garvin, Karee;** Kemp, Charles; Tishby, Naftali; & Regier, Terry (2019). Color-naming evolution and efficiency: The case of Nafaanra. Annual Meeting of the Linguistic Society of America, New York City, NY. [Presentation]

Schwarz, Martha; Lapierre, Myriam; **Garvin, Karee;** & Inkelas, Sharon (2019). Representing Segment Strength: New Applications of Q Theory. Annual Meeting of the Linguistic Society of America, New York City, NY. [Presentation]

**Garvin, Karee** (2019). Direct Object Placement in Nafaanra. The 9th World Congress of African Linguistics, Rabat, Morocco. [Presentation]

**Garvin, Karee;** Lapierre, Myriam; & Inkelas, Sharon (2018). A Q-theoretic approach to distinctive subsegmental timing. Annual Meeting of the Linguistic Society of America, Salt Lake City, UT. [Presentation]

**Garvin, Karee** (2016). An acoustic outlook on initial stops in Northern Shoshoni. Annual Meeting of the Society for the Study of Indigenous Languages of the Americas, Washington, DC. [Presentation]

**Garvin, Karee** (2015). Exploring Narrative Potential- Northern Shoshoni Oral Narratives. Annual James F. Jakobsen Graduate Conference, Iowa City, IA. [Presentation]

**Garvin, Karee** (2014). Shoshoni Oral Narratives. 34th Great Basin Anthropological Conference, Boise, ID. [Presentation]

**Garvin, Karee** (2014). Shoshoni Oral Narratives. Friends of the Uto-Aztecan Language Conference, Tepic Mexico. [Presentation]

## CONFERENCE ORGANIZING AND WORKSHOPS

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(2020) Berkeley Linguistic Society Workshop: Phonological Representations. Berkeley, CA. [Meg Cychosz, Emily Grabowski, Larry Hyman, Sharon Inkelas, Keith Johnson, Yevgeniy Melguy, Emily Remirez, Eric Wilbanks]

(2019) Phonetics and Phonology Research Weekend. Berkeley, CA. [Jesse Zymet and Karee Garvin]

(2019) Special Session "Inside Segments," 93rd Annual Meeting of the Linguistic Society of America, New York City, NY. [Myriam Lapierre, Karee Garvin, Martha Schwarz, Sharon Inkelas, Ryan Bennett]

(2018) 44th Annual Meeting of the Berkeley Linguistic Society (BLS44), University of California, Berkeley. [Karee Garvin, Noah Hermalin, Myriam Lapierre, Yevgeniy Melguy, Tessa Scott, Eric Wilbanks]

## RESEARCH EXPERIENCE

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**UC Berkeley, Berkeley Electromagnetic Articulography Research Collective** 2019-2021  
*Research Lead*

Electromagnetic Articulography (EMA): data collection and data processing

**UC Berkeley, Berkeley Phonetics-Phonology Lab** 2018-2021  
*Research Lead*

Phonological encoding and allophonic priming

**Chang Lab, Department of Neuroscience UCSF** 2018-2021  
*Lead Research Intern*

Electromagnetic Articulography (EMA): data collection, corpus creation, data analysis

**Northern-Shoshoni Dictionary Project** 2012-2014  
*Research Assistant*

Dictionary Data Collect and Entry

## FIELDWORK EXPERIENCE

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**Medumba Phonetics** 2023-present  
*Banganté, Cameroon*

- Working and with native Medumba-speaking people, setting up a mobile lab and collecting phonetics and co-speech gesture data
- Academic Focus: Co-speech gesture, Phonetics, Phonology

**Nafaanra Documentation** 2017-present  
*Banda Ahenkro, Ghana*

- Working and living with native Nafaanra-speaking community
- Academic Focus: General Documentation, Phonetics, Phonology, Morphology, Syntax

**Mam Documentation** 2017-2019  
*Oakland, California*

- Working with diasporic community of native Northern Mam speakers
- Academic Focus: General Documentation, Phonetics, Phonology

**Shoshoni Documentation** 2012-2014  
*Fort Hall, Idaho*

- Working with native Shoshoni-speaking community
- Academic Focus: General Documentation, Literacy Materials, Oral Narrative, Phonetics

## Fieldwork Classes

- San Juan Atitán Mam, University of California, Berkeley (2017-2018)
- Basque, Linguistic Society of America Summer Institute (2015)
- Javanese, University of Iowa (2015)
- Burmese, Idaho State University (2012)

## MENTORING

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### Postdoctoral Mentoring

Harvard University

#### Automatic gesture annotation

2022-Present

*Developing script for automatic gesture annotation using OpenPose*

- Students: Walter Dych

#### Electromagnetic Articulography data collection and processing

2022-Present

*EMA data collection and processing training for English and Mandarin*

- Students: Eliana Spradling, Clarissa Brisco Stuart, Xin Cui, Melody Wang, Jian Cui, Vitor Lacerda Siqueira

#### Co-speech head and manual gesture annotation

2022-Present

*Annotation of co-speech gesture video data using ELAN for English, Medumba, and Igbo*

- Students: Christine Belden, Nicole Curnan, Luc DiNardi, Walter Dych, Bryant Graybeal, Jacquelyn Janocha, Brett Lindsey, Zoe Lipkin, Madison Miller, Vitor Lacerda Siqueira, Eliana Spradling, Clarissa Brisco Stuart, Nicole Taylor, Ta-tran Tran, and Juliette Winnard

### Graduate Student Mentor: Linguistics Research Apprentice Practicum

University of California, Berkeley

#### Electromagnetic Articulography Data collection

2018-2019

*EMA data collection of MOCHA-TIMIT corpus and novel stimuli*

- Students: Phoebe Killick and Ray Mason

#### Electromagnetic Articulography: Data processing

2018-2020

*Articulatory smoothing and rotation and acoustic alignment*

- Students: Anahita Farshi Haghro, Emma Brown, Elissa Chau, Emily Li, Thomas Lu, Cooper Bedin, Joanne Chuang, Jacky Chen

#### Nafaanra documentation: Phonetic analysis

2018-2020

*Nafaanra phonetic dictionary building and acoustic alignment using Penn Forced Aligner*

- Students: Ian Neer, Esther Ju Hyun Yeo, Qing Yang Wang

#### Allophonic priming: Building and conducting an experiment

2018-2019

*Picture naming and reaction time experiment design and data collection*

- Students: Emily Tsai, Amelia Fineburg, Nick Carrick

#### Nafaanra documentation: Database management

2017-2018

*Flex corpus management and data entry from primary field work*

- Students: Phoebe Killick, Ruby Dong, Cheyenne Tsai

#### Rhythmicity and complementizer usage: Data analysis

2018

*Rhythmic analysis of the Buckeye Corpus using Fourier transform, examining syntactic and rhythmic structure*

- Student: Tracy Lee

## TEACHING

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### University of California, Berkeley

August 2017 - May 2021

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Language Acquisition (Undergraduate Level) Role: Graduate Student Instructor; Instructor: Mahesh Srinivasan	Spring 2021
Training for Linguistics Teaching Assistants (Graduate Level) Role: Graduate Student Instructor; Instructor: Line Mikkelsen	Fall 2020
R1B Endangered Languages: What we lose when a language dies (Undergraduate Level) Role: Instructor	Summer 2020
R1B Endangered Languages: What we lose when a language dies (Undergraduate Level) Role: Instructor	Spring 2020
R1B Endangered Languages: What we lose when a language dies (Undergraduate Level) Role: Instructor	Fall 2019
R1B Endangered Languages: What we lose when a language dies (Undergraduate Level) Role: Instructor	Spring 2019
Introduction to Phonetics and Phonology (Undergraduate Level) Role: Graduate Student Instructor; Instructor: Keith Johnson	Fall 2018
Phonology and Morphology (Undergraduate Level) Role: Graduate Student Instructor; Instructor: Larry Hyman	Spring 2018
Introduction to Linguistic Science (Undergraduate Level) Role: Graduate Student Instructor; Instructor: Peter Jenks	Fall 2017

### University of Iowa

August 2014 - May 2016

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Language Rights (Undergraduate Level) Role: Teaching Assistant; Instructor: Jill Beckman	Spring 2016
ESL Oral Skills (Graduate and Undergraduate Level) Role: Instructor	Fall 2015
Language Rights (Undergraduate Level) Role: Teaching Assistant; Instructor: Bill Davies	Spring 2015
Language and Society (Undergraduate Level) Role: Graduate Student Instructor; Instructor: Jerzy Rubach	Fall 2014

### Idaho State University

August 2013 - August 2014

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Health and Illness in Latin America (Undergraduate Level) Role: Teaching Assistant; Instructor: Elizabeth Cartwright	Summer 2014
Indigenous Peoples of South America (Undergraduate Level) Role: Teaching Assistant; Instructor: Elizabeth Cartwright	Summer 2014
Survey of American Indian Languages (Graduate and Undergraduate Level) Role: Teaching Assistant; Instructor: Chris Loether	Spring 2014
Nature of Language (Undergraduate Level) Role: Teaching Assistant; Instructor: Chris Loether	Fall 2013

Sociolinguistics (Graduate and Undergraduate Level)  
Role: Teaching Assistant; Instructor: Chris Loether

Fall 2013

Historical Linguistics (Graduate and Undergraduate Level)  
Role: Undergraduate Teaching Assistant; Instructor: Chris Loether

Spring 2012

### Other Teaching

- Teaching Assistant (2018) Summer School of Documentary Linguistics. Rabat, Morocco.
- Grader (2017) Introduction to Language and Communication Disorders. UC Berkeley
- Linguistics Tutor (2012-2014) Courses: Nature of Language, Grammar and Usage, Introduction to Language Studies, Sociolinguistics, Functional Grammar, Graduate Introduction to Linguistics, Historical Linguistics. Idaho State University.
- Writing Tutor (2013-2014) Idaho State University.
- TEFL Instructor (2013) Czech Republic.
- Afterschool Coordinator (2009-2011) School District 25, Pocatello, Idaho.

### OTHER EDUCATION AND TEACHING CERTIFICATION

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Certificate of Teaching from University of California, Berkeley	2021
Summer School of Documentary Linguistics: Methods and Data Management	2017
Linguistics Society of America Summer Institute, Chicago	2015
TEFL Institute, TEFL Certificate	2013

### GRANTS, HONORS, & AWARDS

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Oswalt Endangered Language Grant (2019)  
Oswalt Endangered Language Grant (2018)  
Oswalt Endangered Language Grant (2017)  
The A. Richard Diebold, Jr. Fellowship Endowment in Linguistics/Fund in Social Sciences; UC Berkeley (2016)  
Sven and Astrid Liljeblad Endowment Fund Grant (2014)  
E-ISU Technology in the Classroom Fund Grant (2014)  
Idaho State University Dean's List (2006-2014)  
Idaho State University Honors Program (2006-2012)  
Idaho Promise Scholarship Award (2006-2008)  
Golden Key Honors Society  
Gamma Beta Phi Honors Society

### UNIVERSITY SERVICE

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FOUNDER AND ORGANIZER: Zoom Phonology Discussion Group, Remote.	2020-PRESENT
COMMUNITY BUILDING COMMITTEE: UC Berkeley Department of Linguistics	2019-2021
STUDENT FACULTY REPRESENTATIVE: UC Berkeley Department of Linguistics	2018-2020
STUDENT ORGANIZER: Phonological Reading Group, UC Berkeley Department of Ling.	2018-2019
CLIMATE COMMITTEE: UC Berkeley, Department of Linguistics	2017-2018
JOB SEARCH COMMITTEE: Phonology Lecturer UC Berkeley, Department of Linguistics	2017-2018
COLLOQUIUM COMMITTEE: UC Berkeley, Department of Linguistics	2016-2017
STUDENT FACULTY REPRESENTATIVE: University of Iowa Linguistics Department	2015-2016
SENATOR: University of Iowa Graduate Student Senate, Dept. of Linguistics	2014-2016
JOB SEARCH COMMITTEE: Forensic Anthropology Professor, Idaho State University	2013-2013



## WEB DESIGN

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PERSONAL WEBSITE     *Design and Development*  
kareegarvin.com

TEAM WEBSITE         *Design and Development*  
<http://linguistics.berkeley.edu/qtheory/>

LAB WEBSITE           *Revisions*  
<http://linguistics.berkeley.edu/phonlab/>

## LANGUAGES

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English (*Fluent*)  
Russian (*Intermediate*)  
Spanish (*Reading*)  
French (*Reading*)  
Nafaanra (*Fieldwork*)  
Mam (*Fieldwork*)  
Shoshoni (*Fieldwork*)  
Medumba (*Fieldwork*)

**Analytic:**  
Programming: Python, R, MATLAB  
Markup: HTML, LaTeX  
Language Analysis: Praat, ELAN, FLEx