

RESEARCH INTERESTS	Corpus Phonetics, Forced Alignment, Code-Switching, Phonology, Typology, Multilingual NLP & Speech Technology, Language Variation	
EDUCATION	<b>University of Washington</b> Ph.D., Computational Linguistics	2025
	<b>Carnegie Mellon University</b> M.S., Language Technologies Institute	2019
	<b>Wellesley College</b> B.A., Cognitive & Linguistic Sciences, Cum Laude	2016
AWARDS	<b>UW Excellence in Linguistic Research Graduate Fellowship</b> <b>NSF Graduate Research Fellowship</b>	2023 2017 - 2021
RESEARCH	<b>Amazon Care AI, Amazon Inc.</b> <i>Applied Science Intern</i> Manager: Jangwon Kim	Summer 2022
	<b>Linguistics Department, University of Washington</b> <i>Graduate Research Assistant</i> Advisor: Gina-Anne Levow	2020
	<b>Language Technologies Institute, Carnegie Mellon University</b> <i>Graduate Research Assistant</i> Advisors: Yulia Tsvetkov & Alan W. Black	2017 - 2019
	<b>S.T.A.R. Lab, SRI International</b> <i>Research Assistant</i> Mentors: Colleen Richey, Wen Wang, Dimitra Vergyri	2016 - 2017
	<b>Computer Science Department, Wellesley College</b> <i>Senior Thesis Student</i> Advisor: Sravana Reddy	2015 - 2016
	<b>Institute for Creative Technologies, University of Southern California</b> <i>NSF REU Intern</i> Advisor: Andrew Gordon	Summer 2015
	<b>Media Lab, Massachusetts Institute of Technology</b> <i>Undergraduate Research Assistant</i> Supervisor: Mitchel Resnick	Spring 2015
PUBLICATIONS	<b>E. P. Ahn, E. Chodroff, and G-A. Levow</b> <b>Automatic Phone Alignment of Code-switched Urum–Russian</b> <b>Field Data</b> Field Matters Workshop at ACL 2025. PDF	

F. Samir, **E. P. Ahn**, S. Prakasah, M. Soskuthy, V. Schwartz and J. Zhu  
**A Comparative Approach for Auditing Multilingual Phonetic Transcript Archives**  
Transactions of the Association for Computational Linguistics 2025.

E. Chodroff, **E. P. Ahn** and H. Dolatian  
**Comparing Language-specific and Cross-language Acoustic Models for Low-resource Phonetic Forced Alignment**  
Language Documentation & Conservation, vol. 19, 2025.

**E. P. Ahn**, E. Chodroff, M. Lapierre and G-A. Levow  
**The Use of Phone Categories and Cross-Language Modeling for Phone Alignment of Panāra**  
INTERSPEECH 2024. PDF (POSTER)

M. Oganyan, G-A. Levow, R. Squizzero, **E. P. Ahn**, S. Ng, E. Deaton and R. Wright  
**Investigating the Acoustic Fidelity of Vowels across Remote Recording Methods**  
Linguistics Vanguard, vol. 10, no. 1, 2024. PDF

**E. P. Ahn**, G-A. Levow, R. Wright and E. Chodroff  
**An Outlier Analysis of Vowel Formants from a Corpus Phonetics Pipeline**  
INTERSPEECH 2023. PDF (POSTER)

**E. P. Ahn** and E. Chodroff  
**VoxCommunis: A Corpus for Cross-linguistic Phonetic Analysis**  
Conference on Language Resources and Evaluation (LREC) 2022. PDF (POSTER)

G-A. Levow, **E. P. Ahn** and E. M. Bender  
**Developing a Shared Task for Speech Processing on Endangered Languages**  
Workshop on Computational Methods for Endangered Languages 2021. PDF

T. Parekh, **E. P. Ahn**, Y. Tsvetkov and A. W. Black  
**Understanding Linguistic Accommodation in Code-Switched Human-Machine Dialogues**  
Conference on Computational Natural Language Learning (CoNLL) 2020. PDF

**E. Ahn**, C. Jimenez, Y. Tsvetkov and A. W. Black  
**What Code-Switching Strategies are Effective in Dialogue Systems?**  
Society for Computation in Linguistics (SCiL) 2020. PDF

L. Breittfeller, **E. Ahn**, D. Jurgens, and Y. Tsvetkov  
**Finding Microaggressions in the Wild: A Case for Locating Elusive Phenomena in Social Media Posts**  
EMNLP 2019. PDF

**E. Ahn**, F. Morbini, and A. Gordon  
**Improving Fluency in Narrative Text Generation with Grammatical Transformations and Probabilistic Parsing**  
International Natural Language Generation Conference (INLG) 2016. PDF

INVITED	<b>Investigating the Corpus Phonetics Pipeline applied to Diverse Language Data</b>	<i>2024</i>
	Talk at Columbia NLP Seminar.	
	<b>Data Collection, Bias, and Ethical Concerns in Speech Processing</b> <b>E. P. Ahn</b> , G. Anumanchipalli, S. Sakti and O. Scharenborg	<i>2022</i>
	Panel at Speech for Social Good Workshop, INTERSPEECH. Virtual. (VIDEO)	
	<b>Phonetic Forced Alignment with the Montreal Forced Aligner</b>	<i>2022</i>
	Tutorial at University of Potsdam, Linguistics. Virtual.	
PRESENTATIONS	<b>Phonetic Granularity Effects on Forced Alignment Across Panāra and English</b>	<i>2024</i>
	<b>E. P. Ahn</b> , E. Chodroff, M. Lapierre and G-A. Levow	
	Computational Methods in the Study of Endangered Languages Workshop	
	EACL. Malta. (Talk) (Abstract)	
	<b>Investigating the Acoustic Fidelity of Remote Recording Methods</b>	<i>2022</i>
	<b>E. P. Ahn</b> , W. Bowers, E. Deaton, G-A. Levow, S. Ng, M. Oganyan, R. Squizzero and R. A. Wright	
	Acoustical Society of America (ASA). Denver, CO. (Poster) (ABSTRACT)	
	<b>Predicting Continuous Vowel Spaces in the Wilderness</b>	<i>2019</i>
	<b>E. Ahn</b> and D. R. Mortensen	
	TyP-NLP: The Workshop on Typology for Polyglot NLP	
	ACL. Florence, Italy. (POSTER) (ABSTRACT)	
	<b>Understanding Code-Mixed Dialogues in Context</b>	<i>2018</i>
	NASSLLI Summer School Student Session	
	Carnegie Mellon University. Pittsburgh, PA. (Poster)	
	<b>Two Types of Foreign Accent Classification</b>	<i>2016</i>
	Workshop for Young Female Researchers in Speech Science & Technology	
	INTERSPEECH. San Francisco, CA. (Poster)	
	<b>Foreign Accent Classification</b>	<i>2016</i>
	Great Lakes Expo for Experimental and Formal Undergraduate Linguistics	
	Michigan State University. East Lansing, MI. (Talk)	
	<b>Fluency Transformations in Storytelling</b>	<i>2015</i>
	Research Experiences for Undergraduates Symposium	
	NSF. Arlington, VA. (Poster)	
TEACHING	<b>Linguistics Department, University of Washington</b>	
	<i>Co-Instructor</i> , Basics for Computational Linguistics	<i>Summer 2023</i>
	<i>Teaching Assistant</i> , Swearing and Taboo Languages (Laura McGarrity)	<i>Spring 2022</i>
	<i>Teaching Assistant</i> , Phonology I (Myriam Lapierre)	<i>Winter 2022</i>
	– <i>Guest Lecture</i> : Phoneme Inventories	
	<i>Teaching Assistant</i> , Introduction to Morphology (Sharon Hargus)	<i>Winter 2022</i>

<i>Teaching Assistant</i> , Language and Society (Betsy Evans)	<i>Fall 2021</i>
<i>Teaching Assistant</i> , Introduction to Linguistics (Laura McGarrity)	<i>Fall 2019</i>

<b>Language Technologies Institute, Carnegie Mellon University</b>	
<i>Teaching Assistant</i> , Colloquium (Yulia Tsvetkov)	<i>2018 - 2019</i>

<b>NASSLLI Summer School, Carnegie Mellon University</b>	
<i>Teaching Assistant</i> , Corpus Linguistics (Na-Rae Han)	<i>Summer 2018</i>

<b>Cognitive &amp; Linguistic Sciences, Wellesley College</b>	
<i>Teaching Assistant</i> , Introduction to Linguistics (Angela Carpenter)	<i>2015 - 2016</i>
<i>Teaching Assistant</i> , Sounds of Language (Angela Carpenter)	<i>Spring 2016</i>

<b>Girls Who Code (Intel), Stanford University</b>	
<i>Teaching Assistant</i> , Introductory Computer Science	<i>Summer 2014</i>

## SERVICE

### Reviewer

Workshop on Computational Typology and Multilingual NLP	<i>2020 - 2025</i>
Association for Computational Linguistics Rolling Review	<i>2024</i>
International Workshop on Spoken Dialogue Systems Technology	<i>2023 - 2024</i>
Transactions on Asian and Low-Resource Language Information Processing	<i>2020</i>
Northwest Linguistics Conference	<i>2020</i>

### Officer, Linguistics Society at the University of Washington

<i>President</i>	<i>2021 - 2022</i>
<i>Community Development Chair</i>	<i>2020 - 2021</i>

### Student Volunteer

Conference on Empirical Methods in Natural Language Processing (EMNLP)	<i>2020</i>
Annual meeting of the Association for Computational Linguistics (ACL)	<i>2020</i>

### Mentor

Carnegie Mellon University AI Undergraduate Research	<i>2018 - 2019</i>
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## MEMBERSHIP

Linguistic Society of America (LSA)	<i>2020 - Present</i>
Association for Computational Linguistics (ACL)	<i>2018 - Present</i>

## SKILLS

### Human Languages

English (native), Korean (heritage), Spanish & Mandarin (working),  
Russian & Arabic (beginner)

### Computer Languages & Tools

Python & UNIX (fluent); Java (working); JavaScript, HTML/CSS & R (basic);  
Scikit-Learn (fluent), Praat & Kaldi (working), PyTorch (basic)

Last Updated: 28 July 2025