

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

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. (*Accepted.*)

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. (*Accepted.*)

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 Lan-
guages**
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. Breitfeller, **E. Ahn**, D. Jurgens, and Y. Tsvetkov
**Finding Microaggressions in the Wild: A Case for Locating Elusive Phe-
nomena 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

**Investigating the Corpus Phonetics Pipeline applied to Diverse
Language Data** *2024*
Talk at Columbia NLP Seminar.

Data Collection, Bias, and Ethical Concerns in Speech Processing *2022*
E. P. Ahn, G. Anumanchipalli, S. Sakti and O. Scharenborg
Panel at Speech for Social Good Workshop, INTERSPEECH. Virtual. (VIDEO)

	Phonetic Forced Alignment with the Montreal Forced Aligner	<i>2022</i>
	Tutorial at University of Potsdam, Linguistics. Virtual.	
PRESENTATIONS	Phonetic Granularity Effects on Forced Alignment Across Panāra and English	<i>2024</i>
	E. P. Ahn , E. Chodroff, M. Lapierre and G-A. Levow	
	Computational Methods in the Study of Endangered Languages Workshop EACL. Malta. (Talk) (Abstract)	
	Investigating the Acoustic Fidelity of Remote Recording Methods	<i>2022</i>
	E. P. Ahn , 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)	
	Predicting Continuous Vowel Spaces in the Wilderness	<i>2019</i>
	E. P. Ahn and D. R. Mortensen	
	TyP-NLP: The Workshop on Typology for Polyglot NLP ACL. Florence, Italy. (POSTER) (ABSTRACT)	
	Understanding Code-Mixed Dialogues in Context	<i>2018</i>
	NASSLLI Summer School Student Session Carnegie Mellon University. Pittsburgh, PA. (Poster)	
	Two Types of Foreign Accent Classification	<i>2016</i>
	Workshop for Young Female Researchers in Speech Science & Technology INTER_SPEECH. San Francisco, CA. (Poster)	
	Foreign Accent Classification	<i>2016</i>
	Great Lakes Expo for Experimental and Formal Undergraduate Linguistics Michigan State University. East Lansing, MI. (Talk)	
	Fluency Transformations in Storytelling	<i>2015</i>
	Research Experiences for Undergraduates Symposium NSF. Arlington, VA. (Poster)	
TEACHING	Linguistics Department, University of Washington	
	<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>
	Language Technologies Institute, Carnegie Mellon University	
	<i>Teaching Assistant</i> , Colloquium (Yulia Tsvetkov)	<i>2018 - 2019</i>
	NASSLLI Summer School, Carnegie Mellon University	
	<i>Teaching Assistant</i> , Corpus Linguistics (Na-Rae Han)	<i>Summer 2018</i>

Cognitive & Linguistic Sciences, Wellesley College
Teaching Assistant, Introduction to Linguistics (Angela Carpenter) 2015 - 2016
Teaching Assistant, Sounds of Language (Angela Carpenter) Spring 2016

Girls Who Code (Intel), Stanford University
Teaching Assistant, Introductory Computer Science Summer 2014

SERVICE

Reviewer

Association for Computational Linguistics Rolling Review 2024
 International Workshop on Spoken Dialogue Systems Technology 2023 - 2024
 Workshop on Computational Typology and Multilingual NLP 2020 - 2021
 Transactions on Asian and Low-Resource Language Information Processing 2020
 Northwest Linguistics Conference 2020

Officer, Linguistics Society at the University of Washington

President 2021 - 2022
Community Development Chair 2020 - 2021

Student Volunteer

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

Mentor

Carnegie Mellon University AI Undergraduate Research 2018 - 2019

MEMBERSHIP

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

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: 25 June 2024