

RESEARCH INTERESTS	Corpus Phonetics, Phonology, Multilingual NLP & Speech technology, Typology, Language Variation, Forced Alignment	
EDUCATION	<b>University of Washington</b> Ph.D. Candidate, Computational Linguistics	<i>2019 - Present</i>
	<b>Carnegie Mellon University</b> M.S., Language Technologies Institute	<i>2017 - 2019</i>
	<b>Wellesley College</b> B.A., Cognitive & Linguistic Sciences, Cum Laude	<i>2012 - 2016</i>
AWARDS	<b>UW Excellence in Linguistic Research Graduate Fellowship</b> <b>NSF Graduate Research Fellowship</b>	<i>2023</i> <i>2017 - 2021</i>
RESEARCH	<b>Amazon Care AI, Amazon Inc.</b> <i>Applied Science Intern</i> Manager: Jangwon Kim	<i>Summer 2022</i>
	<b>Linguistics Department, University of Washington</b> <i>Graduate Research Assistant</i> Advisor: Gina-Anne Levow	<i>2020</i>
	<b>Language Technologies Institute, Carnegie Mellon University</b> <i>Graduate Research Assistant</i> Advisors: Yulia Tsvetkov & Alan W. Black	<i>2017 - 2019</i>
	<b>S.T.A.R. Lab, SRI International</b> <i>Research Assistant</i> Mentors: Colleen Richey, Wen Wang, Dimitra Vergyri	<i>2016 - 2017</i>
	<b>Computer Science Department, Wellesley College</b> <i>Senior Thesis Student</i> Advisor: Sravana Reddy	<i>2015 - 2016</i>
	<b>Institute for Creative Technologies, University of Southern California</b> <i>NSF REU Intern</i> Advisor: Andrew Gordon	<i>Summer 2015</i>
	<b>Media Lab, Massachusetts Institute of Technology</b> <i>Undergraduate Research Assistant</i> Supervisor: Mitchel Resnick	<i>Spring 2015</i>
PUBLICATIONS	E. Chodroff, <b>E. P. Ahn</b> and H. Dolatian <b>Comparing Language-specific and Cross-language Acoustic Models for Low-resource Phonetic Forced Alignment</b> Language Documentation & Conservation. ( <i>Accepted.</i> )	

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**  
*In review.*

**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. Breitfeller, **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> Talk at Columbia NLP Seminar.	2024
	<b>Data Collection, Bias, and Ethical Concerns in Speech Processing</b> <b>E. P. Ahn</b> , G. Anumanchipalli, S. Sakti and O. Scharenborg Panel at Speech for Social Good Workshop, INTERSPEECH. Virtual. (VIDEO)	2022
	<b>Phonetic Forced Alignment with the Montreal Forced Aligner</b> Tutorial at University of Potsdam, Linguistics. Virtual.	2022
PRESENTATIONS	<b>Phonetic Granularity Effects on Forced Alignment Across Panāra and English</b>	2024

**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** 2022

**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** 2019

**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** 2018

NASSLLI Summer School Student Session  
Carnegie Mellon University. Pittsburgh, PA. (Poster)

**Two Types of Foreign Accent Classification** 2016

Workshop for Young Female Researchers in Speech Science & Technology  
INTERSPEECH. San Francisco, CA. (Poster)

**Foreign Accent Classification** 2016

Great Lakes Expo for Experimental and Formal Undergraduate Linguistics  
Michigan State University. East Lansing, MI. (Talk)

**Fluency Transformations in Storytelling** 2015

Research Experiences for Undergraduates Symposium  
NSF. Arlington, VA. (Poster)

TEACHING

**Linguistics Department, University of Washington**

*Co-Instructor*, Basics for Computational Linguistics Summer 2023

*Teaching Assistant*, Swearing and Taboo Languages (Laura McGarrity) Spring 2022

*Teaching Assistant*, Phonology I (Myriam Lapierre) Winter 2022

– *Guest Lecture*: Phoneme Inventories

*Teaching Assistant*, Introduction to Morphology (Sharon Hargus) Winter 2022

*Teaching Assistant*, Language and Society (Betsy Evans) Fall 2021

*Teaching Assistant*, Introduction to Linguistics (Laura McGarrity) Fall 2019

**Language Technologies Institute, Carnegie Mellon University**

*Teaching Assistant*, Colloquium (Yulia Tsvetkov) 2018 - 2019

**NASSLLI Summer School, Carnegie Mellon University**

*Teaching Assistant*, Corpus Linguistics (Na-Rae Han) Summer 2018

**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: 22 March 2024