

JINGYI CHEN

200 Oxley Hall 1712 Neil Ave.◇ Columbus, OH 43210

(614) · 329 · 1197 ◇ chen.9220@osu.edu

EDUCATION

The Ohio State University

PhD in Computational Linguistics

Advisor: Dr. Micha Elsner

2019-2025(*expected*)

The Ohio State University

MS in Computer Science & Engineering

Advisor: Dr. Andrew Perrault

2022-2024(*expected*)

Sichuan International Studies University

BA in English Language and Literature

2015-2019

PROFESSIONAL EXPERIENCE

Optimizing Speech Model Using Advanced RL techniques

May 2023 - Present

- Exploring and designing efficient reinforcement learning techniques for better speech model alignment.

Neural discovery of abstract inflectional structure

Jan 2023 - Present

- Train a transformer model to handle feature-guided character-level transduction with Reinforcement Learning.
- NSF-BCS-2217554; Principal Investigator: Dr. Micha Elsner and Dr. Andrea Sims.

Explore How GANs Learn Phonological Representations

Jan 2021 - Jan 2022

- Trained two Convolutional Neural Networks models on English words and French words in an unsupervised manner.
- Visualized and interpreted the intermediate layers of CNNs to explore what linguistics representations are learned from raw speech data by CNNs and how nasalization acoustic features are encoded in different layers of CNNs.
- Accepted by ACL 2023 (Area Chair Awards).

PAPERS

Jingyi, Chen. 2022. Alignment Contrast in Huiyang Hakka Falling Tone. *The 96th Annual Meeting of the Linguistic Society of America*.

Jingyi, Chen, Micha Elsner. 2023. Exploring How Generative Adversarial Networks Learn Phonological Representations. *The 96th Annual Meeting of the Linguistic Society of America*.

PRESENTATION

Jingyi, Chen. 2022. Explore How Generative Adversarial Networks Learn Phonological Representation. *The 27th Annual Mid-Continental Phonetics Phonology Conference*.

Jingyi, Chen. 2022. Alignment Contrast in Huiyang Hakka Falling Tones. *The 96th Annual Meeting of the Linguistic Society of America*.

Jingyi, Chen. 2021. Tonal Alignment Contrast in Huiyang Hakka Falling Tones. *The 25th Annual Mid-Continental Phonetics Phonology Conference*.

TEACHING EXPERIENCE

Introduction to Linguistics

Aug 2020 - Aug 2022

- Primary duties: course preparation, classroom instruction, online instruction, grading, consulting with student
- Teaching content: IPA transcription; Speech Sound Annotation; Phonological Analysis; Morphological Analysis; Syntactic and Semantic Analysis; Pragmatic Analysis

ACTIVITIES

Graduate Association of Chinese Linguistics (GACL), Secretary

2020-2022

Department of East Asian Languages and Literatures, The Ohio State University

Summer Linguistic Institute for Youth Scholars (SLIYS), Language Consultant

2021

Buckeye East Asian Linguistics Forum 4 (BEALF-4), Organizing Committee

2020-2021

The 5th Workshop on Innovations in Cantonese Linguistics (WICL-5), Organizing Committee

2019-2020

FELLOWSHIPS AND AWARDS

ACL 2023 Area Chair Awards (Linguistic Theories, Cognitive Modeling, and Psycholinguistics)

2023

The Center for Cognitive and Brain Sciences Summer Graduate Research Award

2022

Ilse Lehist Memorial Fund Graduate Research Award

2021-2022

The Ohio State University Fellowship

2019-2020

TECHNICAL SKILLS

Programming Languages

Python, Java, C, R, Praat, SQL

Deep Learning Frameworks

PyTorch, Pandas