

XUANDA CHEN

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EDUCATION

Exchange Student, University of California Berkeley, CA, USA	08/2019-Present
Exchange Student, University of Science and Technology of China, Hefei, China	09/2018-01/2019
M. A. in Linguistics, University of Chinese Academy of Social Sciences, Beijing, China	09/2017-Present
B. A. with honors in English Linguistics, Anhui University, China (GPA: 3.75/4 top 2%)	09/2013-06/2017

RELATED COURSES

Graduate Level: Speech Signal Processing; Second Language Acquisition II; Praat; MATLAB; Data Science I; Clinical Neuroscience

Summer School: Phonetics I; Phonology I; Semantics I; Syntax I

Undergraduate Level: English Phonetics; Pragmatics I; Second Language Acquisition I; Sociolinguistics I; Lexicology I; Artificial Intelligence in Society

RESEARCH EXPERIENCE

The Cortical Entrainment to Speech Prosodic Units 06/2019-Present

Graduate Researcher, Laboratory of Phonetics and Speech Science of Aijun Li, Ph. D

- ♦ Pre-processed and visualized the EEG data using MNE-PYTHON.
- ♦ Mapping cortical activities to a limited number of prosodic units including boundaries at different level in an utterance (in progress).

Speech Acquisition of English Learners from Dialect Areas in China 09/2017-Present

Graduate Researcher, Laboratory of Phonetics and Speech Science of Aijun Li, Ph. D

- ♦ Conducted automatic ToBI annotation for non-native speakers using a new network structure that better fits the L2 prosodic properties, and performed prosodic structure evaluation based on ToBI sequences.
- ♦ Collaborated with students from electrical engineering in incorporating the state-of-the-art techniques into the annotation model design, namely, Local Recurrent Network.

The Acquisition of Stop Consonants of Children Speaking Wu Dialects 09/2015-06/2017

Undergraduate Researcher, School of Foreign Studies, Jian Hu, Ph. D

- ♦ Fieldwork for speech collection in Jingxian, a Wu-speaking area, corpora building of data from over 60 children, and implementation of automatic voice onset time alignment.
- ♦ Identified the transfer effects of phonological structure of Wu and Mandarin on children's learning of English stop consonants, and explained the effects using a cognitive categorical learning model.

PUBLICATION

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- ♦ **Xuanda Chen**, Zhenhua Ling, Ziyu Xiong, and Aijun Li. Automatic Prosodic Annotation for L2 Speech Evaluation. *Speech Communication*, 2019, (submitted).
 - ♦ **Xuanda Chen**, Yuan Jia, and Ziyu Xiong. Measuring Prosodic Transfer in Vector Space by Weighted Tonal Events. *Proceedings of ISCSLP 2018*. IEEE, 2018: 220-224.
 - ♦ **Xuanda Chen**, Ziyu Xiong, and Jian Hu. The Trajectory of Voice Onset Time with Vocal Aging. *Proceedings of Interspeech 2018*. IEEE, 2018: 1556-1560.
 - ♦ Jian Hu, **Xuanda Chen**, and Qingyu Wu. An Empirical Case Study of Children's Perception and Production of Stop Consonants (in Chinese). *Journal of Hefei University*, 2017, 34(6): 139-144.

HONORS & AWARDS

♦ The First-Class Scholarship, Anhui University	2014, 2015
♦ Best Student Paper of PCC 2016	2016
♦ Outstanding Graduate of Anhui University	2017
♦ Linguistic Institute of China Scholarship, First Class, Commercial Press	2017
♦ The First-Class Scholarship, University of Chinese Academy of Social Sciences	2018

MISCELLANEOUS

- ♦ Programming: Python, MATLAB, Praat, R, Perl, Bash Shell
- ♦ Languages: Chinese (Native), English (Fluent), French (Basic)

PROFESSIONAL EXPERIENCE

AISPEECH	10/2016-05/2017
Data Engineer, AISPEECH Research Institute	Suzhou, China
On-site internship in the speech synthesis team. Responsibilities cover speech database construction, text pre-processing, annotation guidance, and TTS pipeline maintenance.	