

# Xuanda Chen

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## EDUCATION

2020-pres. McGill University

PhD student, Linguistics

2019-2020 University of California, Berkeley

visiting student, Linguistics

2017-2020 Chinese Academy of Social Sciences

M.A. with honors, Linguistics and Speech Science

2013-2017 Anhui University

B.A. with honors, English Linguistics

## PUBLICATION

**Xuanda Chen**, Meghan Clayards, Heather Goad, Donghyun Kim, L1 effects on naive perception and production of [u] by Mandarin and Italian speakers, *in Proceedings of The International Congress of Phonetic Sciences, 2023*, pp. 2492-2496

**Xuanda Chen**, Zhenhua Ling, Ziyu Xiong, and Aijun Li, Automatic prosodic annotation for L2 speech evaluation (in submission).

Meng Liu, Longbiao Wang, Kong Aik Lee, **Xuanda Chen**, and Jianwu Dang, Replay-attack detection using features with adaptive spectro-temporal resolution, *in Proceedings of International Conference on Acoustics, Speech and Signal Processing, IEEE, 2021*, pp. 6374–6378.

**Xuanda Chen**, Yuan Jia, and Ziyu Xiong, “Measuring prosodic transfer in vector space by weighted tonal events,” *in 11th International Symposium on Chinese Spoken Language Processing, IEEE, 2018*, pp. 220–224.

**Xuanda Chen**, Ziyu Xiong, and Jian Hu, “The trajectory of voice onset time with vocal aging,” *in Proceedings of Interspeech, IEEE, 2018*, pp. 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*, vol. 34, no. 6, pp. 139–144, 2017.

## **PRESENTATION**

**Xuanda Chen**, Meghan Clayards, Heather Goad, Donghyun Kim, The discrimination and imitation of [ʉ] by Mandarin and Italian speakers, *the Montreal-Ottawa-Toronto-Hamilton Phonology/Phonetics Workshop*, 2023.

**Xuanda Chen**, Qingyu Wu, and Jian Hu. The Dialect Effect on English Stop Acquisition Between Mandarin and Wu Children. *The Phonetic Conference of China*, 2016 Jul. [**Best Student Paper**]

## **TEACHING**

2021 Fall Teaching Assistant, Ling 201 Introduction to Linguistics, McGill

2022 Fall Teaching Assistant, Ling 201 Introduction to Linguistics, McGill

2023 Spring Teaching Assistant, Ling 201 Introduction to Linguistics, McGill

2023 Fall Teaching Assistant/Guest Lecturer, Ling 210 Speech Science, McGill

## **SERVICES**

Peer Review 2023 CMCL/CoNLL babyLM challenge workshop

Peer Review 2020 Interspeech

Peer Review 2019 ACL

## **EMPLOYMENT**

ByteDance/TikTok, AI Lab, 2020.05 - 2020.10

Speech dataset construction; Prosodic annotation; Praat annotation platform; controllable speech synthesis projects

AI Speech, AI Lab, 2016.10 - 2017.06

Scoring and error-detection tools for TTS; Procedures for crowdsourced speech and text datasets

## **RESEARCH ASSISTANTSHIP**

University of Science and Technology of China, 2018.09 - 2019.01

Python-based inquiring and analyzing platform for dialect speech data in China; Neural-network-based automatic ToBI annotation tools

## **AWARDS**

- 2023 IPA Student Award, International Phonetic Association
- 2020 Graduate Excellence Award, McGill University
- 2019 The First-class Scholarship, Chinese Academy of Social Sciences
- 2018, 2019 The National Scholarship, Chinese Academy of Social Sciences
- 2017 Linguistic Institute of China Scholarship, Commercial Press
- 2017 Outstanding Graduate of Anhui University
- 2016 Best Student Paper of Phonetic Conference of China 2016
- 2015 The First-class Scholarship, Anhui University

## **SKILLS**

Programming: Python; R; Matlab; Praat; Latex; Bash; Javascript

Tools: Tmux, Git, macOS, Linux

Languages: Mandarin (Native); English (Fluent)