

# Curriculum Vitae

**Yubin Zhang**

PhD student,

Department of Linguistics,

University of Southern California

[yubinzha@usc.edu](mailto:yubinzha@usc.edu)

<https://pkuzbyb.github.io/index.html>

## Education

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### **Ph.D. in Linguistics, 2019-present.**

Department of Linguistics, University of Southern California

### **MSc in Phonetics, 2016-2017.**

Department of English Language and Linguistics, University of Edinburgh, Scotland, UK

### **B.S. in Psychology, 2013-2016.**

School of Cognitive and Psychological Sciences, Peking University, Beijing, China

### **B.A. in Chinese Linguistics, 2012-2016.**

Department of Chinese Language and Literature, Peking University, Beijing, China

## Research Interests

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Phonetics, phonology, and sound change; Tone and laryngeal register; Psycholinguistics and neurolinguistics; Speech production and perception; Sino-Tibetan languages

## Publications

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### *Journal articles*

**Zhang, Y.**, Pattamadilok, C., Lau, D. K.-Y., Bakhtiar, M., Yim L.-Y., Leung, K.-Y., & Zhang, C. (2021). Early auditory ERPs are modulated by alphabetic literacy skills in logographic Chinese readers. *Frontiers in Psychology*, 12:663166.

**Zhang, Y.**, & Kirby, J. (2020). The role of  $F_0$  and phonation cues in Cantonese low tone perception. *The Journal of the Acoustical Society of America*, 148(1), EL40-EL45.

Cheung, Y. L., Zhang, C., & **Zhang, Y.** (2020). Emotion processing in congenital amusia: the deficits do not generalize to written emotion words. *Clinical Linguistics & Phonetics*, 1-16.

### *Conference Proceedings*

**Zhang, Y.** (2019). Individual variability of acoustic-perceptual mapping in ongoing merger: Observations from Cantonese Tone 4/ Tone 6. *Proceedings of the 30<sup>th</sup> North American Conference on Chinese Linguistics (NACCL 30)*, 64-81.

Zhang, G., Shao, J., **Zhang, Y.**, & Zhang, C. (2018). Revisiting hemispheric lateralization for Cantonese lexical tone processing in dichotic listening. *Proceedings of Sixth International Symposium on Tonal Aspects of Languages. (TAL 6)*, 129-133.

## Presentations

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**Zhang, Y.** (2020). Consonant  $F_0$  is not intrinsic perturbation: Preliminary data from Nuosu Yi. Poster presented at *the 12<sup>th</sup> International Seminar on Speech Production (ISSP 2020)*, Providence, Rhode Island, USA

**Zhang, Y.**, Pattamadilok, C., Lau, D. K. Y., Bakhtiar, M., Yim L. Y., Leung, K. Y., and Zhang, C. (2018). The impact of first language alphabetic orthography on Cantonese phoneme judgement: an ERP study. Poster presented at *the 10<sup>th</sup> Annual Meeting for the Society of Neurobiology of Language*. Quebec City, Canada

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**Zhang, Y.,** Chan, S. W., Zhang, C. (2018). How does first language alphabetic orthography influence sound variation and change? Evidence from Hong Kong Cantonese. Poster presented at *the 10<sup>th</sup> Annual Meeting for the Society of Neurobiology of Language*. Quebec City, Canada

**Zhang, Y.** (2018). Variation in Cantonese Tone 4 and Tone 6 perception. Talk given at *the 30th North American Conference on Chinese Linguistics (NACCL30)*, Columbus, Ohio, USA.

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## **Honors & Awards**

Hearing and Communication Neuroscience (HCN) Pre-doctoral Training Fellowship (NIH T32 Training Grant), 2020, University of Southern California

USC Dornsife/Graduate School Fellowship, 2019, University of Southern California

Eric Liddell China Saltire Scholarship, 2016, University of Edinburgh

Scotland Saltire Scholarship, 2016, University of Edinburgh

“Chun-Tsung Scholar” for undergraduate scientific research, sponsored by the Nobel Prize winner Dr. T. D. Lee, 2015, Peking University

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## **Service**

### ***Departmental service***

Class representative of MSc in Phonetics, 2017, University of Edinburgh

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## **Teaching & Research Experience**

### **Research Assistant, 2017-2019**

Department of Chinese and Bilingual Studies & Research Center for Language, Cognition and Neuroscience, Hong Kong Polytechnic University, Hong Kong, China

#### *Projects:*

Musical disorders and the neural processing of lexical tones

Influences of logographic vs. alphabetic writing systems on speech processing

Acoustic analysis of F0 features of Cantonese neonates’ crying

### **Part-time Assistant, 2016**

Y-English, Beijing, China

#### *Program:*

English Vocabulary Builder based on Proto-Indo-European roots

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## **Skills**

### ***Languages***

Mandarin Chinese (native), English, Cantonese

### ***Programming/ data analysis skills***

Speech signal processing using Praat, Python and Matlab

Text-to-speech synthesis using *Festival* and *HTK (Hidden Markov Model Toolkit)*

Electroencephalographic (EEG) signal processing using Matlab

Machine learning and statistics using R and Python