

## Curriculum Vitae

**Yubin Zhang**

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

### Education

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| 2019-present | <b>Ph.D. in Linguistics,</b><br>Department of Linguistics, University of Southern California                           |
| 2016-2017    | <b>MSc in Phonetics</b><br>Department of English Language and Linguistics, University of Edinburgh, Scotland, UK       |
| 2013-2016    | <b>B.S. in Psychology</b><br>School of Cognitive and Psychological Sciences, Peking University, Beijing, China         |
| 2012-2016    | <b>B.A. in Chinese Linguistics</b><br>Department of Chinese Language and Literature, Peking University, Beijing, China |

### Honors & Awards

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| 2024 | Gold Family Graduate Fellowship, University of Southern California  |
| 2020 | Hearing and Communication Neuroscience (HCN) Pre-doctoral Training Fellowship (NIH T32 Training Grant), University of Southern California |
| 2019 | USC Dornsife/Graduate School Fellowship, University of Southern California  |
| 2016 | Eric Liddell China Saltire Scholarship, University of Edinburgh<br>Scotland Saltire Scholarship, University of Edinburgh                  |
| 2015 | Chun-Tsung Scholar for undergraduate scientific research, sponsored by the Nobel Prize winner Dr. T. D. Lee, Peking University            |

### Publications

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#### Journal Articles

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| 2024 | <b>Zhang, Y.</b> (2024). Central Tibetan (Lhasa). <i>Journal of International Phonetic Association</i> , 1-23<br><b>Zhang, Y.</b> (2024). Phonetic categorization in phonological lexical neighborhoods: Facilitatory and inhibitory effects. <i>Attention, Perception, &amp; Psychophysics</i> , 1-17. |
| 2022 | Shao, J., Zhang, C., Zhang, G., <b>Zhang, Y.</b> , & Pattamadilok, C. (2022). The effects of alphabetic literacy, linguistic-processing demand and tone type on the dichotic listening of lexical tones. <i>Frontiers in Psychology</i> , 13, 877684.   |

- 2021 **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.
- 2020 **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**

- 2024 **Zhang, Y.**, Lu, Y., Rialland, A., Harper, S., Goldstein, L. (2024). Intensity downtrends in Embosi intonation. *Proceedings of 13th International Seminar on Speech Production (ISSP 2024)*, 987-991.
- 2023 **Zhang, Y.** & Goldstein, L. (2023). Stop voicing and devoicing as articulatory tasks: A cross-linguistic RT-MRI study. *Proceedings of 20th International Congress of Phonetic Sciences (ICPhS 2023)*, 222-225.
- Wu, P., Li, T., Lu, Y., **Zhang, Y.**, Lian, J., Black, A. W., Goldstein, L., Watanabe, S. & Anumanchipalli, G. K. (2023). Deep speech synthesis from MRI-based articulatory representations. *Proceedings of the 24th Annual Conference of the International Speech Communication Association (INTERSPEECH)*, Vol. 2023, pp. 5132-5136.
- 2019 **Zhang, Y.** (2019). Individual variability of acoustic-perceptual mapping in ongoing merger: Observations from Cantonese Tone 4/Tone 6. *Proceedings of the 30th North American Conference on Chinese Linguistics (NACCL 30)*, 64-81.
- 2018 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 2018)*, 129-133.

### **Presentations**

- 2024 **Zhang, Y.**, Lu, Y., Rialland, A., Harper, S., Goldstein, L. (2024). Acoustic properties of utterance-final prosodic events in Embosi. To be presented at the 187th Meeting of the Acoustical Society of America.
- Zhang, Y.**, Lu, Y., Rialland, A., Harper, S., Goldstein, L. (2024). Intensity downtrends in Embosi intonation. Poster presented at the 13th International Seminar on Speech Production, Autrans, France.
- 2023 Wu, P., Li, T., Lu, Y., **Zhang, Y.**, Lian, J., Black, A. W., Goldstein, L., Watanabe, S. & Anumanchipalli, G. K. (2023). Deep speech synthesis from MRI-based articulatory representations. Talk given at the 24th Annual Conference of the International Speech Communication Association, Dublin, Ireland.

- Zhang, Y.** & Goldstein, L. (2023). Stop voicing and devoicing as articulatory tasks. Poster presented at *20th International Congress of Phonetic Sciences*, Czech, Prague.
- Zhang, Y.**, Rialland, A., Lu, Y., Harper, S., & Goldstein, L. (2023). A dynamical systems approach to F0 hard-landing downtrends in Embosi. Poster presented at *Hanyang International Symposium and Cognitive Sciences of Language 2023*, Seoul, South Korea.
- 2021 **Zhang, Y.**, Zevin D. Jason. (2021). Rhyme neighbors inhibit lexical facilitation in phonetic categorization. Poster presented at *Psychonomic Society 62nd Annual Meeting*
- 2020 **Zhang, Y.** (2020). Consonant F0 is not intrinsic perturbation: Preliminary data from Nuosu Yi. Poster presented at *the 12th International Seminar on Speech Production*, New Haven, Connecticut, United States.
- 2018 **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 10th Annual Meeting for the Society of Neurobiology of Language*, Quebec City, Canada.
- 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 10th 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 *30th North American Conference on Chinese Linguistics*, Columbus, Ohio, USA.

## **Service**

### **Departmental service**

- 2017 Class representative of the MSc program in Phonetics, University of Edinburgh

## **Teaching & Research Experience**

### **Teaching**

- 2023 Teaching Assistant, Department of Linguistics, University of Southern California  
Course: Human Language and Technology (LING 285)
- 2016 Part-time Assistant, Y-English, Beijing, China  
Program: English Vocabulary Builder based on Proto-Indo-European roots

### **Research**

- 2023-2024 Research Assistant, Department of Linguistics, University of Southern California

2017-2019      Project: Flexible deep speech synthesis through gestural modeling (PI: Louis Goldstein, funded by NSF)  
Research Assistant, Department of Chinese and Bilingual Studies & Research Center for Language, Cognition and Neuroscience, Hong Kong Polytechnic University, Hong Kong, China  
Project: Effects of alphabetic literacy skills on speech perception

## **Skills**

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**Languages:** Mandarin Chinese (advanced), English (advanced), Cantonese (advanced), Japanese (basic)

**Languages for research:** Yoruba, Igbo, Setswana, Lhasa Tibetan, Nuosu Yi, Bashkir, IsiZulu, IsiXhosa

**Programming:** Python, Matlab, R, Praat

**Laboratory Instrumentation:** Audio recording, respiration tracker, electroencephalography (EEG), electroglottography (EGG), design and implementation of behavioral experiments, vocal tract real-time magnetic resonance imaging (RT-MRI, co-administered with MRI engineers)