Curriculum Vitae

Yubin Zhang
PhD candidate,
Department of Linguistics,
University of Southern California
yubinzha@usc.edu
https://pkuzyb.github.io/index.html

Education

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

Publications

Journal Articles

2024	Shi X. ,Feng T., Huang K., Kadiri S., Lee J., Lu Y., **Zhang Y.**, Goldstein L., Narayanan S. S. (2024). Direct articulatory observation reveals phoneme recognition performance characteristics of a self-supervised speech model. JASA Express Letters, 4(11).
	Zhang, Y. (2024). Central Tibetan (Lhasa). *Journal of International Phonetic Association*, 1-23.
	Zhang, Y. (2024). Phonetic categorization in phonological lexical neighborhoods: Facilitatory and inhibitory effects. *Attention, Perception, & Psychophysics*, 1-17.
2022	Shao, J., Zhang, C., Zhang, G., **Zhang, Y.**, & Pattamadilok, C. (2022). The effects of alphabetic literacy, linguistic-processing demand and tone type on the dichotic listening of lexical tones. *Frontiers in Psychology*, 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

2025   **Zhang Y.**, Kumar P., Tian Y., Zhao Z., Shi X., Huang K., Lee K., Hsu H., Narayanan S., Nayak K., Goldstein L. (2025). Co-registration of real-time MRI and respiration for speech research. *Proceedings of the 25th Annual Conference of the International Speech Communication Association,* Vol. 2025, 2175-2179.

Shi X., **Zhang Y.**, Lu Y., Ma M., Feng T., Toutios A., Hsu H., Goldstein L., Narayanan S. (2025). 75-Speaker Annot-16: A benchmark dataset for speech articulatory rt-MRI annotation with articulator contours and phonetic alignment. *Proceedings of the 25th Annual Conference of the International Speech Communication Association,* Vol. 2025, 983-987

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,* 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,* 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,* Vol. 2023, 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,* 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,* 129-133.

Presentations (without proceedings)

2024   **Zhang, Y.**, Lu, Y., Rialland, A., Harper, S., Goldstein, L. (2024). Acoustic properties of utterance-final prosodic events in Embosi. Poster presented at *the 187th Meeting of the Acoustical Society of America*.

2023   **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.

Honors & Awards

2025	Teresa Wilson Endowed Fellowship, University of Southern California
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
	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

Service

Departmental service

2017	Class representative of 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
	Project: Flexible deep speech synthesis through gestural modeling (PI: Louis Goldstein, funded by NSF)
2017-2019	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

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

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)