

Cheng Xiao

PhD, Linguistics

University of South Carolina

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Education

- 2019-2025 **Ph.D. in Linguistics**
University of South Carolina, United States
Dissertation: *The Processing of Emotional Prosody and Semantics in Native and Non-native Chinese Speakers*
Committee: Jiang Liu, Rutvik Desai (co-chairs), Amit Almor, Svetlana Shinkareva
- 2013-2016 **M.A. in Linguistics and Applied Linguistics**
Wuhan University, China
Thesis: *Noun Acquisition in Chinese Children with Autism Spectrum Disorder*
- 2009-2013 **B.A. in Humanities & B.Ec. in Finance**
Wuhan University, China

Academic Positions

- 2025-present Graduate Research Assistant, Aging Brain Cohort (ABC), Department of Communication Sciences and Disorders, University of South Carolina
- 2023-2025 Graduate Research Assistant, Desai Lab, Department of Psychology, University of South Carolina
- 2022-2023 Instructor of Record, Linguistics Program, University of South Carolina
- 2021, 2022 Graduate Research Assistant (summer), Linguistics Program, University of South Carolina
- 2019-2022 Instructor of Record, Chinese Program, Department of Languages, Literatures and Cultures, University of South Carolina

Grants

- 2023-2025 **National Science Foundation Doctoral Dissertation Research Improvement Grant** (Ling-DDRIG), BCS-2234914 (*Doctoral Dissertation Research: The semantic Effect on the Processing of Emotional Prosody in a Tone Language: A Neurolinguistic Study*), National Science Foundation, USD 17,780.
- 2022-2023 **University of South Carolina SPARC Graduate Research Grant**, 120700-22-59283 (*Bridging Meaning and Sound: The Effects of Semantics on Emotional Prosody*)

Processing in Mandarin Chinese Words and Sentences), University of South Carolina, USD 4,938.

2020-2021 **Graduate Teaching Resource Development Grant** (for enrichment of CHIN121: Elementary Mandarin Chinese, with Dan Luo), Center for Teaching Excellence, University of South Carolina, USD 400.

2020-2021 **Graduate Teaching Resource Development Grant** (for enrichment of CHIN321: Advance Mandarin Chinese, with Dan Luo), Center for Teaching Excellence, University of South Carolina, USD 400.

Selected Awards and Fellowships

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| 2025 | Society for Human Sentence Processing Student Travel Award (HSP 38), USD 375. |
| 2024 | Linguistics Program Graduate Student Summer Research Award, University of South Carolina, USD 500. |
| 2024 | Dr. Richard Walker Memorial Endowed Fellowship, Walker Institute of International and Area Studies, University of South Carolina, USD 5,000. |
| 2023 | Paula Menyuk Travel Award for the 48 th Boston University Conference on Language Development (BUCLD 48), USD 385. |
| 2023 | Discover USC Graduate Student Poster Award winner, University of South Carolina. |
| 2023 | Society for Human Sentence Processing Student Travel Award (HSP 36), USD 400. |
| 2021 | Linguistics Program Graduate Student Summer Research Award, University of South Carolina, USD 600. |
| 2013-2016 | Outstanding Graduate Student Fellowship, Wuhan University, tuition & living expenses. |
| 2011 | Best Undergraduate Student Paper Award winner, College of Chinese Language and Literature, Wuhan University. |
| 2009-2013 | Outstanding Undergraduate Student Award, Wuhan University, RMB 3,200. |

Publications

Peer-reviewed Journal Articles

Xiao, C., & Liu, J. (2024b). The Perception of Emotional Prosody in Mandarin Chinese Words and Sentences. *Second Language Research*. 1-28. <https://doi.org/10.1177/02676583241286748>

Xiao, C., & Liu, J. (2024a). Semantic Effects on the Perception of Emotional Prosody in Native and Non-native Chinese Speakers. *Cognition and Emotion*. 1-11. <https://doi.org/10.1080/02699931.2024.2371088>

Wang, B. X., Chen, S., Zhou, F., Liu, J., **Xiao, C.**, Chan, A., & Tang, T. (2024). English Prosodic Focus Marking by Cantonese Trilingual Children with and without Autism Spectrum Disorder. *Journal of Speech, Language, and Hearing Research*, 67(3), 782-801. https://doi.org/10.1044/2023_JSLHR-23-00508

Book Chapter

Liu, J., & **Xiao, C.** (2021). Tone Category Learning Should Serve Tone Word Learning: An Experiment of Integrating Pronunciation Teaching in L2 Chinese Curriculum. In Edited Volume *The Acquisition of Chinese as a Second Language Pronunciation: Segments and Prosody*. Edited by Yang, Chunsheng: Springer. http://doi.org/10.1007/978-981-15-3809-4_6

Work in Progress

Xiao, C., Liu, J., Shinkareva, V. S., Yang, X., Desai, R.H. (*in revision*). Knowing and Feeling: The Role of Semantic Valence in Emotional Prosody Perception for L2 Chinese Learners.

Arheix-Parras, S., **Xiao, C.**, Crouse, C., Riccardi, N., Johari, K., Desai, R.H. (*in revision*). The Role of the Anterior Temporal Lobe in Reading: an HD-tDCS Study.

Xiao, C., Arheix-Parras, S., Riccardi, N., Johari, K., Desai, R.H. (*under review*). Thematic and Taxonomic Semantic Neighborhoods are Affected by Anterior Temporal Stimulation.

Yang, X., Gao, C., **Xiao, C.**, Riccardi, N., Desai, R.H. (manuscript available upon request). Latent Structure of Words in Naturalistic Listening.

Arheix-Parras, S. (co-first author), **Xiao, C.** (co-first author), Riccardi, N., Johari, K., Desai, R.H. (manuscript available upon request). The Role of the Anterior Temporal Lobe in Auditory and Visual Lexicosemantic Processes.

Xiao, C., Liu, J., Yang, X., Shinkareva, V. S., Desai, R.H. (manuscript available upon request). How Semantics Interacts with Emotional Prosody in the Bilingual Brain?

Xiao, C., Desai, R.H. (in preparation). Age-related Differences in the Neural Representation of Psycholinguistic Constructs [Data collection and analyses completed].

Other Publications

Wang, B. X., Chen, S., Zhou, F., Liu, J., **Xiao, C.**, & Chan, A. (2023). Declarative or Declarative Question? — On the Acoustics of English Prosody of Hong Kong Trilingual Children with Autism Spectrum Disorder. *The Journal of the Acoustical Society of America*, 153(3_supplement), A289-A289. <https://doi.org/10.1121/10.0018879>

Luo, H., Zhao, S., Luo, J., Tan, Xin., Ruan, G., Chen, Y., ..., **Xiao, C.**, ..., & Zhu, Y. (2018). *Comprehensive Dictionary of Chinese Poetry Rhythms*. Zhonghua Book Company. ISBN 978-7101129779. (in Chinese)

Xiao, C. (2017). The Language Acquisition Strategy for Children with Autism Spectrum Disorder. *Journal of Curriculum and Instruction*, 10, 35-37. (in Chinese)

Tang, C., Luo, X., Zhan, Y., Li, H., Mo. Y., Zhang, Wen., Sun, D., Zhang, Xue., Liu, Y., **Xiao, C.**, Yuan, Yu., & Xin, Wen. (2017). *Chinese Characters and Calligraphy* (Guangdong province calligraphy textbook series, Book 3). Guangdong Education Publishing House. ISBN 978-7554815625. (in Chinese)

Tang, C., Luo, X., Zhan, Y., Li, H., Mo. Y., Zhang, Wen., Sun, D., Zhang, Xue., Liu, Y., **Xiao, C.**, Yuan, Yu., & Xin, Wen. (2017). *Chinese Characters and Calligraphy* (Guangdong province calligraphy textbook series, Book 4). Guangdong Education Publishing House. ISBN 978-7554815632. (in Chinese)

Presentations

Invited Talks

- 2025 Language and Emotion in L1 and L2 Brain, *Second Language Acquisition Reading Group at the University of South Carolina*, Columbia, SC, February 20.
- 2024 The Perception of Emotional Prosody in L2 Chinese Learners, *Special Session on Second Language Acquisition at the Linguistics Conference at the University of Georgia (LCUGA 2024)*, Athens, GA, February 17.

Conference Presentations

- 2025 Neural Processing of Emotional Prosody in Native and Non-native Chinese Speakers, *38th Annual Human Sentence Processing Conference (HSP 38)*, College Park, MD, March 28.
- 2024 Semantic Neighborhood Effects with Anterior Temporal Lobe Stimulation, *Society for the Neurobiology of Language 16th Annual Meeting (SNL 2024)*, Brisbane, Australia, October 26.
- 2024 The Perception of Emotional Prosody in Novice and Advanced L2 Chinese Learners, *37th Annual Human Sentence Processing Conference (HSP 37)*, Ann Arbor, MI, May 16.
- 2024 Knowing is Feeling: The Role of Semantic Valence in Emotional Prosody Perception for L2 Chinese Learners, *2024 GSLING Student Research Symposium at the University of South Carolina*, Columbia, SC, April 13.
- 2023 Semantic Effects on the Perception of Emotional Prosody in Mandarin Chinese: Facilitation for L1 Speakers versus Interference for L2 Learners, *48th Boston University Conference on Language Development (BUCLD 48)*, Boston, MA, November 4.
- 2023 The Emotional Prosody Perception of Native Speakers and L2 Learners: An Examination of Semantic Congruence Effect, *Florida Psycholinguistics Meeting 2023 (FPM 2023)*, Gainesville, FL, October 21.
- 2023 What You Say vs. How You Say It: The Semantic Effect on the Perception of Emotional Prosody in Mandarin Chinese Words and Sentence, *Discover USC 2023 at the University of South Carolina*, Columbia, SC, April 21.
- 2023 The Semantic Effect on the Perception of Emotional Prosody in Mandarin Chinese, *2023 GSLING Student Research Symposium at the University of South Carolina*, Columbia, SC, April 8.
- 2023 The Semantic Effect on the Perception of Emotional Prosody in Mandarin Chinese Words and Sentences, *Conference of the Institute for Mind and Brain at the University of South Carolina 2023*, Columbia, SC, March 17.
- 2023 Bridging Sound and Meaning: The Semantic Effect on the Perception of Emotional Prosody in Mandarin Chinese, *36th Annual Human Sentence Processing Conference (HSP 36)*, Pittsburgh, PA, March 10.
- 2022 The Perception of Emotional Prosody in Mandarin Chinese Words and Sentences, *2022 GSLING Student Research Symposium at the University of South Carolina*, Columbia, SC, March 18.
- 2022 The Perception of Emotional Prosody in Mandarin Chinese, *96th Annual Meeting of the Linguistic Society of America (LSA 96)*, Washington, DC, January 8.
- 2021 The Effect of Language Experience on the Perception of Emotional Prosody in Mandarin Chinese, *1st International Conference on Tone and Intonation*, Sonderborg, Denmark, December 8.

- 2018 The Mini-corpus Analysis of the Language of Autistic Children, *4th Corpus Linguistics Conference in China*, Wuhan, China, June 2.
- 2018 Inquiry into the Language Acquisition of Autistic Children, *1st Neurolinguistics Conference in China*, Xuzhou, China, July 1.

Teaching Experience

- 2023-2024 **Invited Guest Lecturer**, Linguistics Program, University of South Carolina
LING 474/PSYC 474: Cognitive and Social Aspects of Bilingualism (on accent)
LING 300/PSYC 300: Introduction to Language Sciences (on phonetics)
- 2022-2023 **Instructor of Record**, Linguistics Program, University of South Carolina
LING 301/ENGL 389: The English Language
LING 101: Introduction to Language
- 2019-2022 **Instructor of Record**, Department of Languages, Literatures and Cultures, University of South Carolina
CHIN 322: Advanced Mandarin Chinese II
CHIN 321: Advanced Mandarin Chinese I
CHIN 222: Intermediate Mandarin Chinese II
CHIN 221: Intermediate Mandarin Chinese I
CHIN 122: Basic Proficiency Mandarin Chinese
CHIN 121: Elementary Mandarin Chinese
- 2019-2020 **ESL Tutor**, University of South Carolina

Supervising Experience

- 2023-2025 Sidney Crouse (Neuroscience, undergraduate), Desai Lab
- 2023-2024 Rachel Gulczinski (Biology, undergraduate), Desai Lab
- 2022-2024 Katia Boyet (Psychology & Statistics, undergraduate), Desai Lab
- 2024 Abbie Scoby (International Business and Finance & French), Linguistics Program
- 2024 Mira Flyorova (Philosophy, undergraduate), Linguistics program

Ad-hoc reviewing

- Journal Bilingualism: Language and Cognition
Scientific Reports
PLOS One
- Conference Discover USC 2024, Psychology and Neuroscience Section.

Service

2023-2025	Graduate Fellowship Peer Mentor, National Fellowship office at the University of South Carolina.
2024	Graduate Enrichment Committee Member, Linguistics Program at the University of South Carolina.
2023	Professional Development Workshop Leader, <i>Creating Research Posters 101</i> for GSLING Student Research Symposium at the University of South Carolina.
2020-2021	Course Module Designer, prosodic-enhanced course module for the Chinese Program and Center for Teaching Excellence at the University of South Carolina.
2016-2018	Textbook Writer and Editor, series of Chinese calligraphy textbooks (12 books) for primary school students, all authorized by the Bureau of Education in Guangdong Province, and each book sells more than 100,000 copies.

Research Skills

Tools	AFNI, Audacity, E-Prime, FSL, MATLAB, Praat, Python, Qualtrics, R, REDCap, Unix
Methods	Behavioral measures, Functional Magnetic Resonance Imaging (fMRI), High-Definition transcranial Direct Current Stimulation (HD-tDCS)
Languages	English, Mandarin Chinese (native), Xiang Chinese

Memberships

Society for Human Sentence Processing
Society for the Neurobiology of Language