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Zhen Qin

Curriculum Vitae

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ACADEMIC APPOINTMENTS

- 07.2020-present (Tenure-track) Assistant Professor, Division of Humanities,
Hong Kong University of Science and Technology (HKUST)
- 09.2018-06.2020 Postdoctoral Research Fellow, Department of Chinese and Bilingual Studies,
Hong Kong Polytechnic University (HK PolyU)
- 09.2017-08.2018 Postdoctoral Research Fellow, International Chinese Education Center,
Shanghai Jiao Tong University (SJTU), China

EDUCATION

- 08.2012- 07.2017 Doctorate of Philosophy in Linguistics,
University of Kansas (KU), USA
- 09.2009-08.2012 Master of Philosophy in Linguistics,
Chinese University of Hong Kong (CUHK), Hong Kong
- 09.2008-07.2009 Master of Arts in Linguistics,
Chinese University of Hong Kong, Hong Kong
- 09.2004-07.2008 Bachelor of Arts in French,
Central South University (CSU), Changsha, China

GRANTS AND FELLOWSHIPS

1. Research Grants

External Funding

- 2019-2021 The *Language Learning* Early Career Research Grant (Wiley-Blackwell Publishers), Project title: *The effect of overnight consolidation on the generalization across talkers – a case study on Cantonese tones*. Role: PI. Amount: 10,000 USD for 2 years. Support: research assistant, subject payment
- 2016-2018 National Science Foundation Doctoral Dissertation Improvement Grant (BCS-1627554), Linguistics Program, Project title: *How native Chinese listeners and second-language Chinese learners process tones in word recognition: An eye-tracking study*. Role: Co-PI. PI: Dr. Annie Tremblay (KU); the second Co-PI: Dr. Jie Zhang (KU). Amount: 17,901 USD for 18 months. Support: subject payment, research travel

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Internal Funding

- 2020-2023 HKUST Start-up Fund (R9254), Project title: *The effect of talker variability on perceptual learning and consolidation of lexical tones*. Role: PI. Amount: 100,000 HKD (13,000 USD) for 3 years. Support: subject payment, equipment, research travel
- 2016-2017 KU Doctoral Research Fund, Project title: *How native Chinese listeners and second-language Chinese learners process tones in word recognition?* Role: PI. Amount: 2,000 USD for 6 months. Support: subject payment, research travel

2. Travel Grants

- 2019 IPA Travel Fund (£600). Support: conference travel for the 19th International Congress of Phonetic Sciences (ICPhS 2019) in Melbourne, AU
- 2018 ASA Early Career Travel Grant (\$500). Support: conference travel for the 176th Meeting of Acoustical Society of America in Victoria, CAN
- 2017 ASA Student Transportation Subsidy (\$230). Support: conference travel for the 173rd Meeting of Acoustical Society of America and 8th Forum Acusticum in Boston, MA
- 2015 KU Graduate Conference Travel Grant (\$500). Support: conference travel for the 18th International Congress of Phonetic Sciences (ICPhS 2015) in Glasgow, UK
- 2015 Gösta Bruce Memorial Fund (€350). Support: conference travel for the 18th International Congress of Phonetic Sciences (ICPhS 2015) in Glasgow, UK
- 2014 KU Confucius Institute Travel Grant (\$1000). Support: conference travel for the 7th Speech Prosody Conference in Dublin, IRL
- 2013 KU Confucius Institute Travel Grant (\$500). Support: conference travel for the 166th Meeting of Acoustic Society of America (ASA) in San Francisco, CA
- 2010 CUHK Graduate Conference Travel Grant (\$300). Support: conference travel for the 9th Phonetics Conference of China (PCC2010) in Tianjin, CN

3. Awards, Scholarships, and Fellowships

- 2019 Early Career Researcher Award (shortlisted) at the ICPhS 2019 in Melbourne, AU
- 2016 KU Linguistics Dissertation Fellowship, Department of Linguistics, USA
- 2014 KU Alternative Winter Break Volunteering Scholarship, Utah, USA
- 2013 The Best Student Paper Award in Speech Communication (1st place) at 166th ASA meeting, USA
- 2009 CUHK Postgraduate Scholarship (2 years), HK
- 2006 CSU Chair Scholarship in Foreign Language School, CN
- 2005 CSU First-class Academic Scholarship in Foreign Language School, CN
- 2003 Student Leadership Award of Shandong Province, CN

PUBLICATIONS

1. Refereed Journal Articles

- Qin, Z.**, Zhang, C., & Wang, W. S-Y. (submitted). The effect of Mandarin listeners' musical and pitch aptitude on their learning of Cantonese level-tones. *The Journal of the Acoustical Society of America*.
- Qi, H. & **Qin, Z.** (2020). An empirical study on the productivity of Mandarin tone 3 sandhi by Korean-speaking learners of Chinese. *Research on Chinese as a Second Language 对外汉语研究*, 01.
- Qin, Z.** & Zhang, C. (2019). The effect of overnight consolidation in the perceptual learning of non-native tonal contrasts. *PLoS ONE*, 14(12), e0221498. <https://doi.org/10.1371/journal.pone.0221498>

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- Qin, Z.**, Tremblay, A., & Zhang, J. (2019). Influence of within-category tonal information in the recognition of Mandarin-Chinese words by native and non-native listeners: An eye-tracking study. *Journal of Phonetics*, 73, 144-157. <http://doi.org/10.1016/j.wocn.2019.01.002>
- Connell, K., Hüls S., Martínez-García, M.-T., **Qin, Z.**, Shin, S., Yan, H., & Tremblay, A. (2018). English learners' use of segmental and suprasegmental cues to stress in lexical access: An eye-tracking study. *Language Learning*, 68, 635-668. <http://doi.org/10.1111/lang.12288>
- Jongman, A., **Qin, Z.**, Zhang, J., & Sereno, J. (2017). Just noticeable differences (JNDs) for pitch direction, height, and slope for Mandarin and English listeners. *The Journal of the Acoustical Society of America*, 142, EL163. <http://doi.org/10.1121/1.4995526>
- Qin, Z.**, Chien, Y., & Tremblay, A. (2017). Processing of word-level stress by Mandarin-speaking second language learners of English. *Applied Psycholinguistics*, 38(3), 541-570. <http://doi.org/10.1017/S0142716416000321>
- Qin Z.** & Jongman, A. (2016). Does second language experience modulate perception of tones in a third language? *Language and Speech*, 59(3), 318-338. <http://doi.org/10.1177/0023830915590191>
- Qin Z.** & Mok, P. (2014) Discrimination of Cantonese tones by speakers of tone and non-tone languages. *Kansas working papers in Linguistics*, 34. <https://doi.org/10.17161/KWPL.1808.12864>

Manuscripts in Preparation

- Qin, Z.** & Lee-Kim, S-I. The effect of linguistic experience on the Korean listeners' perception of non-native lexical tones.
- Qin, Z.**, Tremblay, A., Zhang, J., & Zhou, X. How early tonal information in lexical access influences native Chinese listeners' and second-language Chinese learners' word recognition: An eye-tracking study.
- Qin, Z.**, Jongman, A., Zhang, J., & Sereno, J. The role of variability in speech categorization of Mandarin tones.
- Qin, Z.** The productivity of different types of tone sandhi by the high- and low-proficiency learners of Chinese.

2. Refereed Chapters

- Qin, Z.** (submitted). How Mandarin learning experience modulates second-language learners' phonological knowledge of Tone 3 Sandhi in word production? In Yang, C. (Eds.), *The Acquisition of Chinese as a Second Language Pronunciation: Segments and Prosody*. Springer.
- Qin, Z.** (2015). Wh-questions in Ibibio. In Duncan, P. (Eds.), *Studies in Ibibio Grammar. Field Methods in Linguistic Description, Vol. 2*. Lawrence, KS: University of Kansas.

3. Refereed Proceedings

- Qin, Z.** & Zhang, C. (2020). How sleep-mediated memory consolidation modulates the generalization across talkers: evidence from tone identification. In *Proceedings of Speech Prosody 2020*, Tokyo, Japan.
- Qin, Z.**, Tremblay, A., & Zhang, J. (2019). Influence of within-category tonal information in the recognition of Chinese-Mandarin words by native and non-native listeners: An eye-tracking study. In *Proceedings of the 19th International Congress of Phonetic Sciences (ICPhS 2019)*, Melbourne, AU.
- Qin, Z.** & Jongman, A. (2015). L2 experience modulates learner' use of cues in the perception of L3 tones. In *Proceedings of the 18th International Congress of Phonetic Sciences (ICPhS 2015)*, Glasgow, UK.
- Qin, Z.** & Tremblay, A. (2014). Effects of native dialect on Mandarin listeners' use of prosodic cues to English stress. In *Proceedings of 7th Speech Prosody 2014*, Dublin, Ireland.

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- Qin, Z.** & Mok, P. (2012). The perception of speech and non-speech tones by tone and non-tone language listeners. In *Proceedings of 6th Speech Prosody 2012*, 366-369. Shanghai, China.
- Qin, Z.** & Mok, P. (2011). Perception of Cantonese tones by Mandarin, English and French speakers. In *Proceedings of the 17th International Congress of Phonetic Sciences (ICPhS)*, 1654-1657. Hong Kong.
- Qin, Z.** & Mok, P. (2011). Discrimination of Cantonese tones by Mandarin, English and French speakers. In *Proceedings of the Psycholinguistic Representation of Tone Conference (PLRT)*, 50-53. Hong Kong.
- Qin Z.** (2010) The Production and Perception of French initial stops by Wu and Mandarin Speakers. In *Proceedings of the 9th Phonetics Conference of China (PCC2010)*. Tianjin, China.

PRESENTATIONS

1. Invited Talks and Colloquia

- Qin, Z.** (2020). "Processing of lexical tones in the recognition of Mandarin-Chinese words by native Chinese listeners and second-language learners of Chinese", Division of Humanities, The Hong Kong University of Science and Technology, Hong Kong, March.
- Qin, Z.** (2019). "How native Chinese listeners and second-language Chinese learners process tones in word recognition: an eye-tracking study" Linguistics Seminar, Department of Linguistics and Modern Language Studies, The Education University of Hong Kong, Hong Kong, October.
- Qin, Z.** (2019). "Influence of within-category tonal information in the recognition of Mandarin-Chinese words by native and non-native listeners: an eye-tracking study" Linguistics Seminar, Department of Chinese Language and Literature, University of Macau, Macau, March.
- Qin, Z.** (2018). "Does second language experience modulate perception of tones in a third language?" Young Scholar Seminar on Chinese Phonetics and Phonology, Department of Chinese Languages and Literature, Fudan University, Shanghai, May.
- Qin, Z.** (2018). "How second language experience modulates listeners' perception of Cantonese tones?" Linguistics Seminar, International Chinese Education Center, Shanghai Jiao Tong University, Shanghai, April.
- Qin, Z.** (2017). "Does second language experience modulate learners' perception of Cantonese tones?" Experimental Phonetics Workshop, Shanghai International Studies University, Shanghai, November.
- Qin, Z.** (2017). "How native Chinese listeners and English-speaking second-language learners of Chinese use fine-grained tonal information in recognition of spoken words: an eye-tracking study". Linguistics Colloquy, University of Kansas, Lawrence, KS, March.
- Qin, Z.** (2017). "How native listeners and adult second-language learners of Chinese process tones in recognition of Chinese spoken words: an eye-tracking study". Child Language Proseminar, University of Kansas, Lawrence, KS, March.
- Qin, Z.** (2016). "How native Chinese listeners process tonal information in recognition of Chinese words: an eye-tracking study". Lab Seminar at the Center for Brain and Cognitive Science, Peking University, Beijing, June.
- Qin, Z.** (2015). "Second language processing of English stress by Mandarin-speaking learners." Linguistics Colloquy, University of Kansas, Lawrence, KS, February.

2. Conference Oral Presentations

- Qin, Z.** & Zhang, C. (2019). How the overnight consolidation process modulates the perceptual learning of novel tonal contrasts. *The Seoul International Conference on Speech Sciences 2019 (SICSS 2019)*, Seoul, South Korea.
- Qin, Z.** & Lee-Kim, S-I. (2019). The effect of linguistic experience on the perception of non-native lexical

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- tones. *The Seoul International Conference on Speech Sciences 2019 (SICSS 2019)*, Seoul, South Korea.
- Qin, Z.** & Zhang, C. (2019). The effect of overnight consolidation in the perceptual learning of non-native tonal contrasts. *The 19th Workshop on Cantonese (WOC-19) Cantonese Study: An Empirical Approach*, Hong Kong.
- Qin Z.**, Tremblay, A., & Zhang, J. (2018). Influence of fine-grained tonal variability on native Chinese listeners and second-language Chinese learners' word recognition: An eye-tracking study. *The Hanyang International Symposium on Phonetics and Cognitive Sciences of Language 2018*, Seoul, South Korea.
- Qin Z.**, Tremblay, A., & Zhang, J. (2017). How fine-grained variability of lexical tones influences native and non-native Chinese listeners' word recognition: An eye-tracking study. Paper *The 2017 Annual Research Forum of Linguistics Society of Hong Kong*, Hong Kong.
- Connell K., Hüls S., Martínez-García, M.-T., **Qin Z.**, Shin S., Yan H., & Tremblay, A. (2016). Time Course of Chinese and Korean Listeners' Use of Stress in English Word Recognition. *The 8th International Symposium on the Acquisition of Second Language Speech (New Sounds)*, Denmark.
- Qin, Z.** & Jongman, A. (2015). Does second language experience with Mandarin Chinese modulate English-speaking L2 learner' perception of tones in a third language? *The 27th North American Conference on Chinese Linguistics (NACCL-27)*. Los Angeles, CA.
- Qin, Z.** (2013). Processing of English stress by Mandarin-speaking learners. *The International Symposium on the Acquisition of Second Language Speech (New Sounds)*. Concordia University, Montreal, Canada.
- Briz Hernandez, I., **Qin, Z.** & Mok, P. (2012). L3 acquisition of the voicing contrast in Spanish by Cantonese learners. *The International Conference on Bilingualism and Comparative Linguistics*. Hong Kong.

3. Conference Poster Presentations

- Qin Z.** (2018). Effect of native Korean dialects on Chinese learners' perception of lexical tones. *The 176th meeting Acoustical Society of America*, Victoria, Canada.
- Qin Z.**, Zhang, J. & Tremblay, A. (2017). How within-category gradience in lexical tones influences native Chinese listeners and second-language Chinese learners recognize words: An eye-tracking study. *The 173rd meeting Acoustical Society of America and 8th Forum Acusticum*, Boston, MA.
- Jongman, A. **Qin Z.**, Sereno, J. & Zhang, J. (2016). JNDs for pitch height and pitch contour for Chinese and American listeners. *The 5th joint meeting Acoustical Society of America and Acoustical Society of Japan*, Honolulu, HI.
- Connell K., Hüls S., Martínez-García, M.-T., **Qin Z.**, Shin S., Yan H., & Tremblay, A. (2016). Effects of native language on the use of segmental and suprasegmental cues to stress in English word recognition: An eye-tracking study. *The 5th joint meeting Acoustical Society of America and Acoustical Society of Japan*, Honolulu, HI.
- Qin, Z.** & Jongman, A. (2014). Does second language experience modulate perception of tones in a third language? *The 168th meeting of Acoustic Society of America*. Indianapolis, IN.
- Qin, Z.** & Tremblay, A. (2013). Effect of native Mandarin dialects on English learners' use of prosodic cues to stress. *The 166th meeting of Acoustic Society of America (ASA)*. San Francisco, CA.

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TEACHING

1. Hong Kong University of Science and Technology

2020 Fall MILE 5303 Phonetics and Phonology of the Chinese Language

2. Hong Kong Polytechnic University

As Guest Lecturer:

2019 Summer Advanced Topics in Research Methodology for Language Sciences (Eye-tracker section)

As Teaching Assistant:

2019 Summer Advanced Topics in Psycholinguistics and Neurolinguistics

2019 Summer Advanced Topics in Research Methodology for Language Sciences (EEG, fMRI, Eye-tracker, and tDCS)

3. University of Kansas

As Guest Lecturer:

2015 Fall Second Language Acquisition
(Research Ethics; Poster presentation)

As Teaching Assistant:

2017 Spring Psycholinguistics
2013-2014 Intermediate Chinese
2012-2013 Introductory Linguistics

4. Chinese University of Hong Kong

As Teaching Assistant:

2012 Summer Chinese Language Testing
2011-2012 Psycholinguistics; Computer-assisted Language Learning
2010-2011 Phonetics I; Linguistics Research Methods
2009-2010 Phonetics I; Psycholinguistics

SUPERVISION

Research Assistants

Miss Minzhi Gong

Miss Weijie Tan (current position: Ph.D student at the University of Macau)

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ACADEMIC SERVICES

1. Editorship

Review Editor, “Language Sciences” section, *Frontiers in Psychology* and *Frontiers in Communication* (2020-present). Publisher: Frontier, Dorigny University Campus, University of Lausanne.

2. Ad hoc Article Reviewing

Applied Psycholinguistics

Frontier in Psychology

Journal of Phonetics (x 2)

Journal of the Acoustical Society of America (x 3)

Journal of the Acoustical Society of America Express Letters (x 3)

Language and Speech (x 2)

Language Learning

PLOS ONE

Second Language Research

Studies in Second Language Acquisition

3. Ad hoc Conference Reviewing

2019 The Workshop on Cognitive Modeling and Computational Linguistics 2019

2019 The 9th International Symposium on the Acquisition of Second Language Speech

2019 The 19th International Congress of Phonetics Sciences

2018 The 32nd Pacific Asia Conference on Language, Information and Computation

2018 The 176th Meeting Acoustical Society of America (award judge)

4. Conference Organization

Organizing Committee:

2019 HK PolyU Summer School in Language, Cognition, and Neuroscience

Conference Facilitator:

2014 45th Annual Conference on African Linguistics, KU

2012 The International Conference on Bilingualism and Comparative Linguistics, CUHK

2011 The Workshop on Coarticulation in New Varieties of English, CUHK

2011 The Psycholinguistic Representation of Tone Conference, CUHK

5. Departmental Services

2014-2015 KU Linguistics Colloquy Organizing Committee

2013-2014 KU Linguistics Graduate Student Representative

2012-2013 Co-editor, Kansas Working Papers in Linguistics

MEMBERSHIPS

1. Academic Associations

2013-present Acoustical Society of America

2011-present International Phonetics Association

2008-present Linguistics Society of Hong Kong

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2019-2020 Cognitive Neuroscience Society
2018-2019 Society for the Neurobiology of Language
2013-2017 Chinese Language Teacher Association

2. Affiliated Labs

2020-present Center for Chinese Linguistics, HKUST
2019-2020 Laboratory for Ambient Intelligence and Multimodal Systems,
Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences
2018-2020 Research Centre for Language, Cognition and Neuroscience, HK PolyU
2015-2017 Center for Brain and Cognitive Science, Peking University
2012-2017 Second Language Processing & Eye-tracking Lab, University of Kansas
2012-2017 KU Phonetics and Psycholinguistics Lab, University of Kansas

3. Visiting Experiences

01-08, 2016 Visiting Researcher, Center for Brain and Cognitive Science, Peking University, China
09-12, 2006 Exchange Student, Rovaniemi Polytechnic, Finland

4. Non-academic Associations

2017-2018 Shanghai Xujiahui Toastmasters Club
2016-2017 KU Men's Volleyball Club
2009-2012 CUHK Three-heart Volunteer Club

TECHNICAL SKILLS

1. Certificates

2019 Online University Teacher Training, EDC, HK PolyU
2019 Becoming an Effective Teaching Assistant, EDC, HK PolyU
2017 Second Language Studies Certificate, University of Kansas
2016 Research in Language and Cognitive Sciences Certificate, Chinese Psychology Society
2015 University Orientation Volunteer Certificate, KU
2011 Three-heart Club Volunteer Certificate, CUHK

2. Languages

Mandarin Chinese (native); English (advanced); Cantonese (intermediate); French (intermediate); Finnish (beginner).

3. Softwares

Acoustic analysis: MBROLA, Multi-Speech, Praat
Stimuli presentation: STIM2 (Neuroscan), MATLAB, E-Prime, Experiment Builder (SR research),
Paradigm, PsychoPy
Statistics: R, SPSS, MATLAB