

翟铭珺 **Mingjun Zhai**
Research Assistant Professor
Hong Kong Polytechnic University
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EDUCATION

- 2016-2022 **Ph.D. in Cognitive Neuroscience**
Rice University
Houston, TX, United States
- 2012-2014 **Master of Philosophy in Psychology**
The Chinese University of Hong Kong
Hong Kong
- 2007-2011 **Bachelor of Science in Statistics**
Minor: Psychology, Finance
University of Hong Kong
Hong Kong

PUBLICATIONS

- Zhai, M.,** Feng, C., Qu, Q., & Fischer-Baum, S. (in preparation). Exploring the dynamics underlying taxonomic and thematic semantic organization in picture naming.
- Zhai, M.,** & Fischer-Baum, S. (in preparation). Task-dependent influence of motor plans on neural representations of Chinese characters in VWFA.
- Feng, C., **Zhai, M.,** Fischer-Baum, S., & Qu, Q. (in preparation). Temporal dynamics of taxonomic and thematic semantic processing in speech production.
- Qu, Q., Feng, C., Macklin, A., **Zhai, M.,** & Fischer-Baum, S. (under review). Semantic context interferes with naming by increasing neural pattern dissimilarity across responses. *Cognition*.
- Zhai, M.,** Chen, H. C., & Yip, M. C. (2020). Stroke Encoding Processes of Chinese Character During Sentence Reading. *Experimental Psychology*. (Psychology, Experimental, 34/91, Q2: 3.051)
- Zhai, M.,** & Fischer-Baum, S. (2019). Exploring the effects of knowledge of writing on reading Chinese characters in skilled readers. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 45(4), 724. (Psychology, Experimental, 82/91, Q4: 1.355)
- Yip, M. C. W., & **Zhai, M.** (2018). Processing homophones interactively: Evidence from eye-movement data. *Scientific Reports*, 8, 9812. (Multidisciplinary Sciences, 17/72, Q1: 4.383)
- Yip, M. C. W., & **Zhai, M.** (2018). Context effects and spoken word recognition of Chinese: An eye-tracking study. *Cognitive Science*, 42, 1134-1153. (Psychology, Experimental, 43/91, Q2: 2.561)

CONFERENCE PRESENTATIONS

- Zhai, M.,** Feng, C., Qu, Q., & Fischer-Baum, S. (2022, November). *Exploring the dynamics underlying taxonomic and thematic semantic organization in picture naming*. Poster presented at the 63rd Annual Meeting of Psychonomic Society, Boston, United States
- Zhai, M.,** Feng, C., Qu, Q., & Fischer-Baum, S. (2022, October). *Exploring the dynamics underlying taxonomic and thematic semantic organization in picture naming*. Poster presented at the 14th Annual Meeting of the Society for the Neurobiology of Language, Philadelphia, United States
- Qu, Q., Feng, C., Macklin, A., **Zhai, M.,** & Fischer-Baum, S. (2020, November). *Semantic blocking creates interference in naming by increasing neural pattern dissimilarity*. Poster presented at the 61st Psychonomic Society Annual Meeting, online.
- Fischer-Baum, S., **Zhai, M.,** & Turney, A. (2020, October). *Right hemisphere reorganization of the reading system following stroke*. Presented at the 58th annual meeting of the Academy of Aphasia, online.
- Zhai, M.,** & Fischer-Baum, S. (2019, October). *Exploring task demand effect on stroke-motor representations of Chinese characters in reading*. Poster presented at the 57th annual meeting of the Academy of Aphasia, Macau, China
- Zhai, M.,** & Fischer-Baum, S. (2018, July). *Exploring the effects of knowledge of writing on reading Chinese characters in skilled readers*. Poster presented at the 2018 Society of Scientific Study of Reading, Brighton, United Kingdom
- Zhai, M.,** & Fischer-Baum, S. (2017, November). *Exploring the effects of knowledge of writing on reading Chinese characters in skilled readers*. Poster presented at the 2017 Psychonomic Society Annual Meeting, Vancouver, Canada
- Zhai, M.,** & Fischer-Baum, S. (2017, October). *Exploring the effects of knowledge of writing on reading Chinese characters in skilled readers*. Poster presented at the 2017 ARMADILLO, college station, United States
- Yip, M. C. W., & **Zhai, M.** (2015, November). *Context effects and spoken word recognition of Chinese: An Eye-tracking study*. Poster presented at 2015 Psychonomic Society Annual Meeting, Chicago, United States
- Zhai, M.,** Chen, H.-C., & Yip, M. C. W. (2015, August). *Stroke encoding in simplified and traditional Chinese character processing: An eye-tracking experiment*. Poster presented at 18th European Conference on Eye Movements (ECEM 2015), Vienna

WORK EXPERIENCE

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|--------------------|---|
| Research Assistant | Rice University |
| 2017-present | Project title: <i>Functional Reorganization of the Reading System Following Stroke</i> (NIH R21DC01671) |
| | Principal Investigator: Dr. Simon Fischer-Baum |
| | Duty description: Learn and apply functional neuroimaging methods including the collection and analysis of structural and functional MRI data of brain-damaged patients and work with the P.I. to interpret the patient's reading impairment from their behavioral results. |

Research Assistant 2014-2016 The Hong Kong Institution of Education
 Project title: *Context Effects and Spoken Word Recognition of Chinese: An Eye-Tracking Study*
 Principal Investigator: Dr. Chi Wing Michael Yip
 Duty description: Collect and analyze eye movement data of both Mandarin and Cantonese native speakers and assist the P.I. to interpret the results and write up the manuscripts.

REVIEWER FOR JOURNALS

Journal of Psycholinguistic Research
 Brain and Language

TEACHING EXPERIENCE

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| Research Methods | TA | Spring, 2022 | Rice University |
| Memory | TA | Fall, 2019 | Rice University |
| Research Methods | TA | Fall, 2018 | Rice University |
| Perception | TA | Spring, 2018 | Rice University |
| Perception | TA | Spring, 2017 | Rice University |
| Consciousness | TA | Spring, 2014 | Chinese University of Hong Kong |
| Memory & Cognition | TA | Fall, 2013 | Chinese University of Hong Kong |
| Consciousness | TA | Spring, 2013 | Chinese University of Hong Kong |
| Memory & Cognition | TA | Fall, 2012 | Chinese University of Hong Kong |

HONORS & AWARDS

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| 2016-2022 | Rice University Graduate Student Fellowship | \$27,000/yr |
| 2019 | Rice University Dept. of Psychological Science Maurin Fund | \$400 |
| 2019 | Rice University Graduate Students Travel Awards | \$400 |
| 2019 | Academy of Aphasia Young Investigator Travel Fellowship | \$1,200 |
| 2018 | Rice University Graduate Students Travel Awards | \$400 |
| 2017 | 25 th ARMADILLO Annual Meeting Poster Award | \$300 |
| 2012-2014 | CUHK Postgraduate Studentship | \$24,000/yr |

PROFESSIONAL MEMBERSHIP

Psychonomic Society
 Society of Scientific Study of Reading
 Association for Psychological Science
 Vision Sciences Society
 Society of Neurobiology of Language

SKILLS

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|-------------|--|
| Research | fMRI, EEG, Eye tracking E-prime, PsychoPy, DMDX |
| Programming | Matlab, Python, C ++, Visual Basic |

Data analysis

R, SPSS, Excel, Access, SQL, SAS

Language

Mandarin (native), English (fluent), Cantonese (fluent), Japanese (basic)