

# ZEPING LIU

Department of East Asian languages and Cultures

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## RESEARCH INTERESTS

Psycholinguistics; Sentence and word processing; Second language acquisition; Chinese linguistics

## EDUCATION

**Indiana University Bloomington, IN, USA**

2020 -

Ph.D. in Chinese Linguistics (Major) and Psychology (Minor)

**University of Potsdam, Potsdam, Germany**

Summer 2023

The 7<sup>th</sup> Summer School on *Statistical Methods for Linguistics and Psychology*

Stream: Introduction to Bayesian data analysis

**Beijing Language and Culture University, Beijing, China**

2016 - 2019

M.A. in Linguistics

Thesis: Online processing of causal relations in Korean Learners of Mandarin Chinese

**North China Institute of Science and Technology, Hebei, China**

2012 - 2016

B.A. in Chinese Language Pedagogy

## PUBLICATIONS

1. Liu, Z. & Lin, C. J. C. (In press). The role of *grammar* in syntactic adaptation of Chinese: The state of the art. In S. Teng, L. Chang, & T. Liu (Eds.), *Handbook of Chinese Language Learning and Technology*. Springer.
2. Zhang, M.\*, Liu, Z.\*, Botezatu, M.R., Dang, Q., Yuan, Q., Han, J., Liu, L., & Guo, T. (2023). A large-scale database of Chinese characters and words collected from elementary school textbooks. *Behavior Research Method*, 1-26. (\* denotes equal contribution)
3. Zhang, Z., Yuan, Q., Liu, Z., Zhang, M., Wu, J., Lu, C., Ding, G., & Guo, T. (2021). The cortical organization of writing sequence: evidence from observing Chinese characters in motion. *Brain Structure and Function*, 1-13.

## CONFERENCE PRESENTATIONS

1. Liu, Z., Lin, C. J. C., Nozari, N. (2024). Evaluating Large Language Models (LLMs) Surprisal on Garden Path Ambiguity Difficulty in English and Mandarin. Poster to be presented at *Psychonomic Society 65<sup>th</sup> Annual Meeting*, New York, NY. November 21-24.
2. Lin, C. J. C. & Liu, Z. (2024). Can Semantics and Prosody Facilitate a Syntactically Unlikely Parse? Talk presentation at *FOSS-15: The 15<sup>th</sup> Workshop on Formal Syntax and Semantics*, Taipei, Taiwan. October 12-13.

3. **Liu, Z.**, Xin, C., & Lin, C. J. C. (2024). Usefulness of prosodic cues in parsing: Evidence from a novel cross-modal maze task. Poster presentation at *37th Annual Conference on Human Sentence Processing*, University of Michigan, Ann Arbor, MI. May 16-18.
4. **Liu, Z.** & Lin, C. J. C. (2023). Greater prediction error does not lead to better syntactic adaptation: Evidence from Chinese ambiguity resolution. Poster presentation at *29th Architectures and Mechanisms for Language Processing (AMLaP-2023)*, Donostia-San Sebastian, Spain. August 31-September 2.
5. **Liu, Z.** & Lin, C. J. C. (2022). Adaptation effects in sentence ambiguity resolution revisited. Poster presentation at *35th Annual Conference on Human Sentence Processing*, University of California, Santa Cruz, CA, US. March 24-26. (Virtual)
6. **Liu, Z.** & Lin, C. J. C. (2022). Cumulative structural priming in Chinese ambiguity resolution. Oral presentation at *Language and Computation: Cross-lingual Perspectives*, Renmin University of China–Indiana University Joint Funding Program, Renmin University of China, China, January 22. (Virtual)
7. **Liu, Z.** (2017). Discourse function of “personal pronoun + NP” in Chinese and its implication in Chinese as a Second Language Teaching. Poster presented at the *14th International Conference on Chinese as a Second Language (ICCSL-14)*, Shandong Normal University, Jinan, China. October 13-14.

## **TALKS**

1. Adaptation effects in structural ambiguity resolution. Talk at Shravan Vasishth’s lab at University of Potsdam, Potsdam, Germany. September 2023.
2. Linear mixed effects models in language research: A tutorial using R. Talk at the Center for the Cognitive Science of Language, Beijing Language and Culture University, Beijing, China. June 2023.

## **RESEARCH AND WORK EXPERIENCE**

|  |             |
|--|-------------|
| <b>Language and Cognition Laboratory</b><br>Indiana University Bloomington<br>Graduate Researcher, PI: Chien-Jer Charles Lin   | 2010 -      |
| <b>State Key Laboratory of Cognitive Neuroscience and Learning</b><br>Beijing Normal University<br>Research Assistant, PI: Taomei Guo<br>Established a large-scale database of Chinese words and characters<br>Conducted language production experiments on Chinese-English bilinguals | 2016 - 2019 |
| <b>Center of Foreign Language Research</b><br>Foreign Language Teaching and Research Press<br>Language Assessment Academic Researcher<br>Prepared testing items, designed course development<br>Coordinated with liaisons from teaching institutions                                   | Summer 2019 |

## **TEACHING EXPERIENCE**

**Indiana University Bloomington**

|   |                  |
|---|------------------|
| EALC-C 467 Chinese in Social Science                          | Spring 2024      |
| EALC-C 302 Third Year Chinese II                              | Spring 2023      |
| EALC-C 101 Elementary Chinese I                               | Fall 2022 & 2023 |
| <b>Beijing Language and Culture University</b>                | Spring 2019      |
| Introduction to Second Language Acquisition Studies           |                  |
| <b>Princeton University &amp; Beijing Normal University</b>   | Summer 2017      |
| Immersive Language Learning Program, third-year level Chinese |                  |

### **FELLOWSHIPS, GRANTS, & AWARDS**

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| <b>Indiana University Bloomington</b>          |           |
| Summer Pre-Dissertation Research Grant         | 2024      |
| International Enhancement Grant                | 2023      |
| EALC Department Grant-in-Aid                   | 2023      |
| Hamilton Lugar Fellowship                      | 2021/2024 |
| <b>Beijing Language and Culture University</b> |           |
| Graduate Student Innovation Fund Project       | 2018      |
| Graduate Academic Scholarship                  | 2016      |

### **SERVICE (Ad-Hoc Reviewing)**

Handbook of Chinese Language Learning and Technology; the North American Conference on Chinese Linguistics (NACCL-34) Conference Proceedings; Behavior Research Methods

### **SKILLS**

**Software:** R, E-prime, Matlab, PsychoPy, jsPsych

**Equipment:** Eye-tracking, Event-Related Potentials (ERPs)

**Language:** Mandarin Chinese (Native), Gan Chinese (Native), English (Advanced)