

# Kayla Keyue Chen

Email: [keyue.chen.19@ucl.ac.uk](mailto:keyue.chen.19@ucl.ac.uk) | Homepage: <https://keyue-c.github.io>

## SUMMARY

Third-year PhD student with an interest in psycholinguistics and neurolinguistics, particularly in the predictive mechanisms in real-time language comprehension, and the interaction between language processing and (domain-general) cognitive processes (e.g., cognitive control, memory, attention).

## EDUCATION

### University College London

*PhD in Linguistics*

Funding: Graduate & Overseas Research Scholarships

Ongoing project: Understanding prediction in sentence comprehension

Supervisor: Dr. Wing-Yee Chow, Dr. Andrea Santi

London, UK

2021 - current

### University College London

*Master of Research in Speech, Language and Cognition*

Award: Dean's List of top performing students, Faculty of Brain Sciences

Project: Cognitive control and garden-path sentence comprehension

Supervisor: Dr. Andrea Santi

London, UK

2019 - 2020

### Nankai University

*Bachelor of Arts in Chinese Language and Culture (TCSOL)*

Funding: China National Scholarship

Project: The role of noun neighbor ratio in the noun-verb distinction

Supervisor: Dr. Quansheng Xia

Tianjin, China

2015 - 2019

## RESEARCH EXPERIENCE

### Research Assistant (PI: Dr. Taomei Guo)

02-06, 2021

*State Key Laboratory of Cognitive Neuroscience and Learning*

*Beijing Normal University, China*

Assisted with a project investigating the brain networks involved in processing emotional words in two languages among bilingual individuals.

Performed a systematic review and meta-analysis of fMRI studies.

Collected and analysed fMRI data using extended unified Structural Equation Modeling (euSEM).

## SCHOLARSHIPS & AWARDS

Society for Human Sentence Processing Travel Award

2023

Yuen Ren Chao Language Experiment Star, Nankai University

2022

UCL Graduate & Overseas Research Scholarship

2021-2024

Oxford-Kaifeng Graduate Scholarship (declined)

2021-2024

Dean's List of top performing students, Faculty of Brain Sciences, UCL

2020

Nomination Award of the 12th Zhou Enlai Scholarship, Nankai University

2019

China National Scholarship, Nankai University

2016-2019

## PEER-REVIEWED JOURNAL PUBLICATIONS

Alrashdi, D. H., **Chen, K. K.**, Meyer, C., & Gould, R. L. (2023). A systematic review and meta-analysis of online mindfulness-based interventions for university students: An examination of psychological distress and well-being, and attrition rates. *Journal of Technology in Behavioral Science*, 1-13.

Dang, Q., Ma, F., Yuan, Q., Fu, Y., **Chen, K.**, Zhang, Z., Lu, C., & Guo, T. (2023). Processing negative emotion in two languages of bilinguals: Accommodation and assimilation of the neural pathways based on a meta-analysis. *Cerebral Cortex*, bhad121.

**Chen, K.** & Xia, Q.S. (2020). Effects of noun neighbor ratio on grammatical class recognition of disyllabic compound nouns in Chinese. *Experimental Linguistics*, 9(02), 17-24.

## PEER-REVIEWED CONFERENCE PRESENTATIONS

**Chen, K. K.** & Chow, W.-Y. (2023, December 1-3). Rapid semantic updating despite prediction errors: eye-tracking evidence from Mandarin Chinese. Talk at the 2nd Architectures and Mechanisms for Language Processing Asia Conference, Hong Kong, China.

Zhang, Y., Wang, Y., Frassinelli, D., Antúnez, M., Lim, D., Aneez, M., **Chen, K.**, & Vigliocco, G. (2023, September 6-9). Multimodal information contribution to language comprehension in naturalistic settings: EEG evidence. Poster presented at the 23rd meeting of the European Society for Cognitive Psychology, Porto, Portugal.

- Chen, K. K.** & Chow, W.-Y. (2023, March 9-11). Updating predictions incrementally: Listeners are able to process new information following prediction errors. Poster presented at the 36th Annual Conference on Human Sentence Processing, Pittsburgh, PA.
- Chen, K. K.**, Johansen, I.M., & Chow, W.-Y. (2022, September 7-9). Unexpected information triggers rapid prediction updating: Evidence from eye movements. Poster presented at the 28th Architectures and Mechanisms for Language Processing Conference, York, UK.
- Chen, K. K.**, Johansen, I.M., & Chow, W.-Y. (2022, March 24-26). Listeners rapidly update their predictions in response to unexpected information. Poster presented at the 35th Annual Conference on Human Sentence Processing, Santa Cruz, CA.
- Kuz, V., **Chen, K.**, Veall, C., & Santi, A. (2021, March 4-6). Cognitive control and ambiguity resolution: Beyond conflict resolution. Poster presented at the 34th Annual CUNY Conference on Human Sentence Processing, Philadelphia, PA.

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## NON-PEERVIEWED PRESENTATIONS

- Chen, K.** (2023, June 14). Rapid semantic updating despite prediction errors: Evidence from Mandarin Chinese. Talk at PhD Day 2023, Department of Linguistics, University College London, UK.
- Chen, K.** (2023, April 17). Overcoming prediction errors: Rapid updating in language comprehension. Talk at the 1st Chandler House Symposium, University College London, UK.
- Chen, K.** (2022, May 27). Unexpected information triggers rapid prediction updating: Evidence from eye movements. Talk at Faculty of Brain Sciences Postgraduate Conference 2022, University College London, UK.

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## INVITED TALKS

- Chen, K.** (2021, March 7). Predictive mechanisms in language comprehension. Psycholinguistics Salon, College of Chinese Language and Culture, Nankai University, China.

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## TEACHING EXPERIENCE

### *Credit-bearing Courses*

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| <b>Intermediate Statistical Methods (BSc)</b>   <i>Demonstrator, University College London</i>                    | 2021-2023 |
| Conducted weekly practical sessions and clinical drop-in consultations.   |           |
| Provided constructive feedback on students' homework, coursework, and final exam.                                 |           |
| <b>Neurolinguistics (BA, MA)</b>   <i>Teaching assistant, University College London</i>                           | 2022      |
| Delivered weekly tutorial sessions.   |           |
| Provided constructive feedback on midterm assessments.  |           |
| <b>Research Methods: Principles, Skills and Applications (MSc)</b>   <i>Peer tutor, University College London</i> | 2022      |
| Conceptualised and organised weekly group meetings for review and discussion.                                     |           |
| <b>Chinese Traditional Idiom (MA)</b>   <i>Lecturer, Nankai University</i>  | 2018      |
| Designed and delivered weekly lectures.   |           |
| Provided constructive feedback on student presentations.  |           |

### *Workshop & Short Courses*

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| <b>Pupillometry in Linguistic Research</b> in Psycholinguistics: The Eye-tracking Method and its Applications in Language Research, UCL Linguistics Autumn School   <i>University College London</i> | 2023 |
| Designed and delivered one lecture with data analysis demonstration.   |      |
| <b>Introduction to Statistics for Linguists Using R</b>   <i>University College London</i>   | 2022 |
| Collaborated with a fellow PhD student in leading the summer short course.   |      |
| Designed and delivered two-weeks' lectures and tutorials.  |      |

### *Student Research Supervision*

#### **Masters Dissertation Project**

Jiajian Xu (2023), Zunni Wang (2023), Fan Xia (2022-23)

#### **Undergraduate Dissertation Project**

Qizhang Shi (2023-24), Yuxuan Wu (2023-24), Xinyi Wang (2023-24), Chen Lu (2023-24)

#### **Psychology Summer Scholarships Project**

Cheri Au (2022)

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## PROFESSIONAL EXPERIENCE

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| <b>Research Students Psycholinguistics Talks and Reading Group</b>   <i>Co-organisator</i> | 2023 |
| <b>Online Psycholinguistics Reading Group</b>   <i>Organisator</i>                         | 2023 |

## SKILLS

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**Analytical skills:** R, MatLab (EEGLAB, ERPLAB, SPM)

**Research software:** Python (Psychopy), Experiment Builder, E-prime, Ibex Farm, PCIBex, Gorilla, Praat

**Language skills:** Mandarin Chinese (native), English (fluent)

**Additional training:**

Thirty-third EEGLAB Workshop, Aspet, France, July 2023.

Generalised Additive Mixed Models (GAMMs) Workshop, University of Reading, December 2022.

Sixth Summer School on Statistical Methods for Linguistics and Psychology (SMLP), Introduction to Bayesian Data Analysis, University of Potsdam, Germany, September 2022.

Advanced Core Training in Linguistics (ACTL), University of York, June 2022.

**Online course certificates:**

Probability Theory: Foundation for Data Science, Coursera, January 2022.

Introduction to Calculus, Coursera, November 2021.