

Kayla Keyue Chen

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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)

State Key Laboratory of Cognitive Neuroscience and Learning

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).

Feb-June, 2021

Beijing Normal University, China

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

Kuz, V., Cai, F., **Chen, K.**, Chen, J., Veall, C., Zheng, Y., Xu, Z., Santi, A. (2024). Trial-Level and Contiguous Syntactic Adaptation: A Common Domain General Mechanism at Play?. *Languages*, 9(3), 73.

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., Fan, X., Wang, S. & Chow, W.-Y. (2024, June 19-20). Incremental prediction updating through consecutive cues: Evidence from ERPs. Talk at Postgraduate Conference in Linguistics, Oxford, UK.

Chen, K. K., Fan, X., Wang, S. & Chow, W.-Y. (2024, May 16-18). Incremental prediction updating through consecutive cues: Evidence from ERPs. Poster presented at the 37th Annual Conference on Human Sentence Processing, Ann Arbor, MI.

- Chen, K. K.***, Huo, Y.* & Chow, W.-Y. (2024, May 16-18). Co-registration of mouse cursor and eye movements reveals comparable sensitivity of mouse and eye-tracking to prediction during language comprehension. Poster presented at the 37th Annual Conference on Human Sentence Processing, Ann Arbor, MI. **equal contribution*
- 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.

INTERNAL PRESENTATIONS

- Chen, K.** (2024, April 23). The interplay of predictability, plausibility, and cognitive functions in sentence comprehension: A pupillometry study. Talk at the 2nd Chandler House Symposium, Division of Psychology and Language Sciences, University College London, UK.
- 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, Division of Psychology and Language Sciences, 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.

INVITED TALKS

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

TEACHING EXPERIENCE

Credit-bearing Courses

- Language and Communication (BSc)** | *Teaching assistant, University College London* Term 2, 2024
 Delivered one lecture.
 Provided constructive feedback on students' posters and narratives.
- Intermediate Statistical Methods (BSc)** | *Demonstrator, University College London* Term 1-2, 2021-2023
 Conducted weekly practical sessions and clinical drop-in consultations.
 Provided constructive feedback on students' homework, coursework, and final exam.
- Neurolinguistics (BA, MA)** | *Teaching assistant, University College London* Term 2, 2022
 Delivered weekly tutorial sessions.
 Provided constructive feedback on midterm assessments.
- Research Methods: Principles, Skills and Applications (MSc)** Term 1-2, 2019
 | *Peer tutor, University College London*
 Conceptualised and organised weekly group meetings for review and discussion.
- Chinese Traditional Idiom (MA)** | *Lecturer, Nankai University* Fall, 2018
 Designed and delivered weekly lectures.
 Provided constructive feedback on student presentations.

Short Courses, Workshops & Guest Lecturer

- Introduction to Statistics for Linguists Using R** | *University College London* May-June, 2022-2024
 Collaborated with a fellow PhD student in leading the summer short course.
 Designed and delivered two lectures and tutorials.
 Provided drop-in consultations.

Pupillometry in Linguistic Research in Psycholinguistics: The Eye-tracking Method and its Applications in Language Research, UCL Linguistics Autumn School | *University College London* Nov, 2023
Designed and delivered one lecture.

Student Research Supervision

Masters Dissertation Project

Jingyi Gao (2024), Cassie Liu (2023-24), Ningxin Hu (2023-24), 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)

Psychology Year-2 Lab Project

Ian Feng (2022), Leonie Hellwich (2022), Yue Zheng (2022), Cheri Au (2022), Muge Karan (2022)

PROFESSIONAL EXPERIENCE

Online Psycholinguistics Reading Group | *Organisator*

Oct, 2023 - present

Research Students Psycholinguistics Talks and Reading Group | *Co-organisator*

Term 1, 2023

SKILLS

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

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

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

Training:

- Learning Pupillometry From Theory to Analyses Workshop, University of Konstanz, March 2024.
- 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, September 2022.
- Advanced Core Training in Linguistics (ACTL), University of York, June 2022.

Certificates:

- Probability Theory: Foundation for Data Science, University of Colorado, through Coursera, January 2022.
- Introduction to Calculus, The University of Sydney, through Coursera, November 2021.