Kayla Keyue Chen

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SUMMARY

Fourth-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   London, UK
PhD in Linguistics   *2021 - current*
  Funding: Graduate & Overseas Research Scholarships
  Ongoing project: Understanding prediction in sentence comprehension
  Supervisor: Dr. Wing-Yee Chow, Dr. Andrea Santi

University College London   London, UK
Master of Research in Speech, Language and Cognition   *2019 - 2020*
  Award: Dean's List of top performing students, Faculty of Brain Sciences
  Project: Cognitive control and garden-path sentence comprehension
  Supervisor: Dr. Andrea Santi

Nankai University   Tianjin, China
Bachelor of Arts in Chinese Language and Culture (TCSOL)   *2015 - 2019*
  Funding: China National Scholarship
  Project: The role of noun neighbor ratio in noun-verb distinction
  Supervisor: Dr. Quansheng Xia

RESEARCH EXPERIENCE

Research Assistant *(PI: Dr. Taomei Guo)*   Feb-June, 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.

SCHOLARSHIPS & AWARDS

Society for Human Sentence Processing Travel Award ($400)	2023
Yuen Ren Chao Language Experiment Star, Nankai University (¥1,000)	2022
UCL Graduate & Overseas Research Scholarship (full tuition fees plus £18,809 per year)	2021-2024
Oxford-Kaifeng Graduate Scholarship (full tuition fees plus £15,609 per year; 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 (¥5,000)	2019
First Prize, May Fourth Essay Competition, Nankai University	2018
China National Scholarship, Nankai University (¥24,000)	2016-2019

PEER-REVIEWED JOURNAL PUBLICATIONS

(in press) **Chen, K. K.**, Johansen, I.M., & Chow, W.-Y. (2024). Revising noun predictions based on English measure phrases: Evidence from visual-world eye-tracking. *Language, Cognition and Neuroscience.*

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*, 9, 211–223.

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*, 33(13), 8352-8367.

Chen, K. & Xia, Q. (2020). Effects of noun neighbor ratio on grammatical class recognition of disyllabic compound nouns in Chinese. *Experimental Linguistics*, 9(02), 16-34.

Peer-reviewed conference presentations

Talks

Chen, K. K., Xia, F., Wang, S., & Chow, W.-Y. (2024, September 5-7). Comprehenders use consecutive cues to update prediction incrementally: Evidence from eye-tracking and ERPs. Talk at the 30th Architectures and Mechanisms for Language Processing Conference, Edinburgh, Scotland.

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.

Poster Presentations

Chen, K. K., Lu, C., Wang, X., Wu, Y., & Chow, W.-Y. (2024, September 5-7). Resolving different types of prediction violations during sentence comprehension: Insights from pupillometry and individual differences. Poster presented at the 30th Architectures and Mechanisms for Language Processing Conference, Edinburgh, Scotland.

Chen, K. K.*, Huo, Y.*, Xu, J., Wang, Z., Xia, F., & Chow, W.-Y. (2024, September 5-7). 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 30th Architectures and Mechanisms for Language Processing Conference, Edinburgh, Scotland. **equal contribution*

Chen, K. K., Xia, F., 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.*, Xu, J., Wang, Z., Xia, F., & 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*

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

Chen, K. K., & Chow, W.-Y. (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. K., & Chow, W.-Y. (2023, June 14). Rapid semantic updating despite prediction errors: Evidence from Mandarin Chinese. Talk at PhD Day, Department of Linguistics, University College London, UK.

Chen, K. K., & Chow, W.-Y. (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. K., Johansen, I.M., & Chow, W.-Y. (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.
Marked and provided feedback on final assessments.

Intermediate Statistical Methods (BSc) | *Demonstrator, University College London*   Term 1-2, 2021-2023
Conducted weekly practical sessions and drop-in consultations.
Marked and provided feedback on students' homework, coursework, and final exam.

Neurolinguistics (BA, MA) | *Teaching assistant, University College London*   Term 2, 2022
Delivered weekly tutorial sessions.
Marked and provided 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.
Marked and provided 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.

Advising
Masters Dissertation Project
Jingyi Gao (2024), Cassie Liu (2024), Ningxin Hu (2024), Jiajian Xu (2023), Zunni Wang (2023), Fan Xia (2023)
Undergraduate Dissertation Project
Qizhang Shi (2024), Yuxuan Wu (2024), Xinyi Wang (2024), Chen Lu (2024)
Undergraduate Psychology Scholarships Placements
Aisha Shabir (2024), Cheri Au (2022)
Undergraduate Psychology Year-2 Lab Project
Ian Feng (2022), Leonie Hellwich (2022), Yue Zheng (2022), Cheri Au (2022), Muge Karan (2022)

PROFESSIONAL SERVICES

Organising
Online Psycholinguistics Reading Group | *Organisor*   Oct, 2023 - present
Research Students Psycholinguistics Talks and Reading Group | *Co-organisor*   Term 1, 2023

Reviewing
Ad-hoc Collaborative Reviewing (under the guidance of Dr. Wing-Yee Chow)
Journal of Experimental Psychology: Learning, Memory, and Cognition
Language and Cognition
PeerJ

PROFESSIONAL MEMBERSHIPS

Society for Human Sentence Processing   2023 - present

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.