

Siyuan Song

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EDUCATION

University of Texas at Austin , Texas, the US Candidate for B.A. in Linguistics (GPA: 4.00) Persuing Certificate in Applied Stats Modeling	Aug 2024 — Present
Shanghai Jiao Tong University , Shanghai, China Candidate for B.A. in English (Linguistics), Transferred	Aug 2022 — Jun 2024

EXPERIENCE

UT Austin NeuroLinguistics Lab Undergraduate Research Assistant Advisor: Dr. Fernando Llanos	2025 — Present
Computational Linguistics Group, University of Texas at Austin Undergraduate Research Assistant Advisor: Dr. Kyle Mahowald	2024 — Present
The CoCoDev Lab at Harvard Psychology Visiting Undergraduate Research Intern Advisor: Dr. Jennifer Hu and Dr. Tomer Ullman	2024 Summer
The Computational Linguistics Lab at School of Foreign Languages, SJTU Undergraduate Research Assistant Advisor: Dr. Hai Hu	2023 — Present

PROJECTS & PUBLICATIONS

Song, S., Hu, J.& Mahowald, K. (2025) Language Models Fail to Introspect About Their Knowledge of Language arXiv preprint arXiv:2503.07513. (accepted by COLM 2025) [paper] [code]

Zhu, H., Xu, M., **Song, S.**, Liu, Y., Wang, Y.& Hu, H. A Preliminary Analysis of the Predicative Power of Surprisal in Reading Chinese (in prep; early version presented at CMCL 2025)

Song, S., Zhang, K., Shao, C. & Hu, H. (2025) X-Riddles: Evaluate Large Language Models with Chinese Xiehouyu (in prep; early version presented at NAACL 2025 SRW)

Hu, J., Wilcox, E., **Song, S.**, Mahowald, K., & Levy, R. What Can String Probability Tell Us About Grammaticality? (in prep; under peer review)

Liu, Y., Shen, Y., Zhu, H., Xu, L., Qian, Z., **Song, S.**, ... & Hu, H. (2024). ZhoBLiMP: a Systematic Assessment of Language Models with Linguistic Minimal Pairs in Chinese. arXiv preprint arXiv:2411.06096. (under peer review) [paper] [code]

Yue, S., **Song, S.**, Cheng, X., & Hu, H. Do Large Language Models Understand Conversational Implicature—A Case Study. In Chinese Computational Linguistics: 23rd China National Conference, CCL 2024, Taiyuan, China, July 25–28, 2024, Proceedings (p. 402). Springer Nature. (**Highlight Paper, 6/284**) [paper] [code]

SELECTED COURSES

SJTU

- Design and Analysis of Algorithms (99/100)
- Introduction to Semantics (94/100)
- Language Acquisition (92/100)
- Language Intelligence (90/100)
- Cognitive Psychology and its Applications (98/100)

UT-Austin

- Machine Learning and Text Analysis (A)
- Language and Brain (A)
- Introduction to Psycholinguistics (A)
- Introduction to Cognitive Science (A)
- Bayesian Data Analysis (A)
- Introduction to Mathematical Statistics (A)