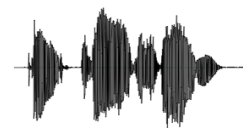


# Jiaxuan Li



ʈɕiɕ tɕaɪ ɕʰæɲɪ

## Contact

**Email:** [jiaxuan.li@uci.edu](mailto:jiaxuan.li@uci.edu)

**Phone:** 9496209018

**Website:** <https://goldengua.github.io/>

## EDUCATION

**The University of California, Irvine**

September 2021 – now

PhD in Language Science

**Relevant courses:** Computational Probabilistic Modeling

**The University of Chicago**

September 2019 – May 2021

Masters in Computational Social Science (GPA 3.8)

**Relevant courses:** Computational Linguistics I & II, (Advanced) Experiment methods, Psycholinguistics

**The Hong Kong Polytechnic University**

September 2015 – May 2019

Bachelor of Arts (Honors) in Chinese and Bilingual Studies

**Major:** Linguistics and Speech Sciences | **Minor:** Computer Science

**Relevant courses:** Psychology, Neuroscience, Web application design, Programming, Data structure

## Manuscript and Presentation

Li, J. & Futrell, R. (2022, March). Pre-trained Language Models can track some ERP components in sentence processing [Conference presentation]. *In the 35<sup>th</sup> conference on human sentence processing, Santa Cruz, US.*

Xu, W., Li, J. & Xiang, M. (2022, March). Syntactic adaptation to short-term cue-based distributional regularities [Conference presentation]. *In the 35<sup>th</sup> conference on human sentence processing, Santa Cruz, US.*

Li, J., OU, J.H. & Xiang, M. (2021, March). The benefits and costs of language prediction: Evidence from ERPs [Conference presentation]. *In the 34<sup>th</sup> CUNY conference on human sentence processing, Pennsylvania, US.*

Li, J. & Ettinger, A. (2021, March). A noisy-channel model for N400 and P600 effects. *In the 34<sup>th</sup> CUNY conference on human sentence processing, Pennsylvania, US.*

Li, J. & Politzer-Ahles, S. (2019). Against Semantic Prediction during Online Sentence Comprehension: Evidence from Self-Paced Reading with Chinese Classifiers. *BA thesis, The Hong Kong Polytechnic University.*

## RESEARCH EXPERIENCE

**University of California Irvine** (Dr. Richard Futrell), *PhD* | Irvine

2021 - now

- Increase the pragmatic interpretability of neural language models through discourse connectives
- Investigate asymmetries in syntactic ambiguity with a noisy-channel model

**University of Chicago** (Dr. Ming Xiang), *supervised researcher* | Chicago

2019 – 2021

- Investigate the neural nature of contextual and effects on expected and unexpected linguistic inputs
- Responsible for experiment design, creating stimuli, data collection and data analysis
- Conducted Event-Related Potentials (ERPs) and Auditory Brain Response (ABR) experiments
- In response to covid: manage data collection with overseas labs

**University of Chicago** (Dr. Allyson Ettinger), *supervised researcher* | Chicago

2019 – 2021

- Implemented neural-computational noisy-channel models to account for sentence processing experiment data
- Successfully simulated 9 experiments with diverging results related to role-reversal and semantic illusion
- Probed semantic and thematic learnability of various language models

**University of Chicago** (Dr. Howard Nusbaum), *supervised researcher* | Chicago

2019 – 2020

- Investigate the symbolic gestural facilitation of implicit Mandarin tone learning
- Developed Mandarin tone variation database, designed implicit learning paradigm with a commercial VR game

- In response to covid: developed online rhythm games and collect reaction time data

**Undergraduate Capstone Project** (Dr. Stephen Politzer-Ahles) | Hong Kong 2018 – 2019

- Investigated probabilistic word pre-activation during sentence comprehension
- Designed and developed a self-paced reading experiment

**The Hong Kong Polytechnic University** (Dr. Angel Chan), *research assistant* | Hong Kong 2018 – 2019

- Investigated ‘Asymmetries in Cantonese Children’s Comprehension and Production of Relative Clauses: Structure, Typology and Processing’
- Assisted in data collection of eye-tracking experiments and elicited production tasks
- Conducted pre-processing and coding of eye-tracking data

**The Hong Kong Polytechnic University** (Dr. Yat-Mei Lee), *research assistant* | Hong Kong September 2018 – December 2018

- Participated in the project ‘Meaning Behind the Message: The interplay of Form, Event, and User Profile in Implicit Emotions’
- Assisted thematic-role annotation

**University College London** (Dr. Wing Yee Chow), *research assistant* | London, UK July 2018 – September 2018

- Investigated psychological and neurological aspects of time-course language prediction
- Assisted in designing experimental stimuli and processing the cloze probability of the stimuli
- Assisted in data collection for an eye-tracking and an ERP experiment
- Optimized the experimental program with E-Prime

**The University of Cambridge**, *exchange student* | Cambridge, UK June 2017 – September 2017

- Investigated the impact of age and literacy acquisition on first language attrition

## **INDUSTRY EMPLOYMENT**

**Sogou, Lnc.**, linguistic engineer | Beijing, China September 2018 – February 2019

- Responsible for semantic annotation of natural speech data to develop a voice assistant
- Coordinated with different groups and optimized annotation process

## **AWARDS & SCHOLARSHIPS**

- University of Chicago Merit Scholarship, 40,200USD 2020
- University of Chicago Merit Scholarship, 27,000USD 2019
- HKSAR Government Scholarship Fund, 10,000HKD 2019
- Undergraduate summer research abroad sponsorship #USRA 1809, 50,000 HKD 2018
- Dean’s Certificate of academic achievement, 1,000 HKD 2016 – 2017
- Summer abroad subsidy, 50,000 HKD 2016

## **SKILLS**

*Data analysis and statistics:* R, SPSS, Microsoft Excel, MATLAB

*Experimental techniques:* Eye-tracking, EEG, Praat, E-Prime, EGG

*Programming:* Python, C, Java, HTML, JavaScript, PHP, JsPsych, Ixweb Farm

*Language:* Mandarin(native), English(advanced), Cantonese(advanced), Japanese(intermediate)