

# Jiyuan Zhou

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## EDUCATION

<b>City University of Hong Kong</b> Master of Arts in Language Studies (Corpus and Empirical Linguistics)	Sep 2023 - Oct 2024 GPA: 3.54/4.3
<b>Xi'an University of Architecture and Technology</b> Bachelor of Arts in Teaching Chinese to Speakers of Other Languages	Sep 2014 - Jul 2018 GPA: 3.83/5.0 (Ranking: 1/60)

## PUBLICATIONS

### Journal Article

- **Zhou, J. Y.**, Lai, J. Y. (To be submitted). Language and Gender: A Corpus Investigation from the Perspective of Chinese Adjectives.
- Lai, J. Y., **Zhou, J. Y.** (To be submitted). Mandarin-English  $X^0$ -internal Codeswitching: Corpus Findings and Its Implications for the PF Wing of Bilingual Grammar

### Conference Presentation

- **Zhou, J. Y.**, Lai, J. Y. (2024). Gender Stereotypes in Language: A Dependency-Parsing-Based Analysis of Adjectival Usage with Chinese Gendered Nouns. Oral presentation at the 24th National Conference on Linguistics, Taiwan, October 19, 2024.

### Manuscript

- **Zhou, J. Y.** (2024), From Dependency Parsing to Keyword Analysis: Unveiling Gender-Characteristic Adjectives in Chinese. Master's Thesis, City University of Hong Kong.

## PROJECTS

<b>Perception of Collocation with Gender-specific Adjectives and Gender Nouns</b> <i>Major Researcher (Advisor: Prof. Aini Li)</i>	City University of Hong Kong Sep 2024 - Present
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- Conducted literature review on gender-related adjective perception through psycholinguistic and sociolinguistic perspectives.
- Designed a 3x3 experiment to manipulate frequency-controlled adjectives and gendered nouns, investigating how perceptions of naturalness are influenced by gender-typical, gender-non-typical, and neutral adjectives when modifying pronouns, kinship terms, and proper nouns.
- Created a survey using QuestionPro, collecting 47 responses, and currently conducting data analysis.

<b>A Corpus-Driven Study of Code-Switching: Syntax and Morphology</b> <i>Full-time Research Assistant (Advisor: Prof. Jackie Yan-Ki LAI)</i>	City University of Hong Kong Aug 2024 - Nov 2024
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- Identified Chinese-English code-switching intra-sentences patterns from Mandarin Alphabetical Word (MAW).
- Extracted 7,999 sentences matching verb-specific patterns that contradict MacSwan's PF Interface Condition from the BLCU Corpus Center, CCL Corpus, and Chinese Web Corpus 2017.

<b>Chinese Adjectives Analysis Considering Gender Representation</b> <i>Major Researcher (Advisor: Prof. Jackie Yan-Ki LAI)</i>	City University of Hong Kong Jan 2024 - Aug 2024
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- Utilized Python and NLP tools such as jieba, spaCy, and LTP4 to preprocess and accurately extract specific adjectives used as modifiers and predicates for 21 groups of symmetric gender nouns from the Chinese Internet Corpus, and recorded their lexical frequency.
- Conducted keyword analysis by examining saliency and dispersion in extracted data using T-Score, Log-likelihood Ratio, and Kullback-Leibler divergence to identify gender-preferred adjectives.
- Leveraged Python's Matplotlib to create 2D and 3D visualizations of gender-specific adjective distribution patterns.
- Authored several papers from semantic and sociolinguistic perspectives, including a journal article, a thesis, and a conference paper submitted for presentation and accepted at an upcoming conference.

## ACADEMIC EXPERIENCE

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### Reduplicated Adjectives Modified by Degree Adverbs in Mandarin

City University of Hong Kong

Part-time Research Assistant (Advisor: Prof. Jackie Yan-Ki LAI)

Sep 2023 - Dec 2023

- Compiled and organized a list of 111 degree adverbs from four related books.
- Utilized the Concordance function of Sketch Engine, based on the Chinese Web 2017 (zhTenTen17) Simplified Corpus, to find AABB-pattern adjectives modified by the collected degree adverbs and extracted sentences containing these adjectives.
- **Enhanced the methodology in 2024:** by implementing Python to extract adjectives with AABB, ABAB, AAB, ABB, and AA patterns modified by the identified degree adverbs from various corpora, and to automatically retrieve example sentences containing these target adjectives.

### Kazakhstan's Language Policy and Chinese Language Status

Students Scientific Research Training

Major Researcher (Advisor: Prof. Yong CAO)

Dec 2016 - Dec 2017

- Traced the development and evolution of language policy in Kazakhstan, summarizing its political, Latinization and multicultural trends.
- Analyzed the current status of the spread of Chinese in Kazakhstan, identified inaccuracies in the current operations of Confucius Institutes, lack of standardization in university teaching, insufficient quality and quantity of teachers, and the absence of unified local teaching materials.
- Explored methods of Chinese language education in Kazakhstan based on the current state of the spread of Chinese, language contact, and second language acquisition.

### Status of Different Languages in Central Asian Countries

National Student Innovation Training Program

Program Leader (Advisor: Prof. Yong CAO)

Apr 2016 - Jun 2017

- Conducted an analysis and comparison of the language identity, status, and writing systems in five countries (Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan, and Turkmenistan) in the "Silk Road Economic Belt" of the "Belt and Road Initiative" with China.
- Proposed recommendations to enhance cultural exchange, eliminate cultural differences, localize Chinese language teaching, and promote the spread of Chinese language through Confucius Institutes.

## TEACHING EXPERIENCE

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### LT5408: Sociolinguistics, Teaching Assistant

Fall 2024

Instructor: Prof. Aini Li, City University of Hong Kong

## WORKING EXPERIENCE

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Customer Operations Consultant, Beijing ByteDance Technology Co., Ltd.

Apr 2021 - Jun 2021

Lego Robot Teacher, Xi'an Chuangle Yida Education Technology Co., Ltd.

Nov 2018 - Jan 2021

Chinese Teacher, Shanghai Zhangxiaomen Education Technology Co., Ltd.

Sep 2018 - Nov 2018

Teaching Assistant for Chinese as Second Language, Wuhan University

Oct 2016 - Dec 2016

## AWARDS & CERTIFICATIONS

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Machine Learning Specialization, DeepLearning.AI

Apr 2024

Student Representative of MA Language Studies, CityU

Jan 2024

1st Class Scholarship for Excellent Students, XAUAT (Top 2%)

Dec 2016

1st Class Scholarship for Excellent Students, XAUAT (Top 2%)

Dec 2015

## EXTRACURRICULAR ACTIVITIES

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Workshops in Research Methods for Applied Linguists, Pennsylvania State University

Sep 2022 - Nov 2022

Corpus Linguistics and Applied Linguistics Research Workshop, University of Murcia

Oct 2022

Taiwan Cognitive Neuroscience Summer School, National Central University

Aug 2022

## SKILLS

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- **Languages:** Chinese (Native), English, Russian (Second Foreign Language)
- **Programming:** Python, L<sup>A</sup>T<sub>E</sub>X, PyTorch