

ZHENGXIANG WANG

<https://jaaack-wang.github.io/jaaack-wang/>

EDUCATION

University of Saskatchewan, Canada

Sep 2019 – May 2021

- Master of Arts in Applied Linguistics; average score: 88/100
- Thesis: A macroscopic re-examination of language and gender: A corpus-based case study in university instructor discourses [[PDF](#)] (Nominated for Thesis Award, in process)

Hunan University, China

Sep 2015 – June 2019

- Bachelor of Arts in Chinese Language and Literature
- GPA: 3.9/4.5; *summa cum laude* (Excellent Graduate of the year)

CERTIFIED COURSES & TRAINING

Deep Learning Specialization (Deeplearning.AI); Machine Learning (Stanford Online); Deep Learning Based Natural Language Processing (Baidu PaddlePaddle); Linear Algebra (Imperial College London); Multivariate Calculus (Imperial College London); Introduction to Calculus (University of Sydney)

FORMAL RESEARCH EXPERIENCES

Graduate Research Assistant, University of Saskatchewan

May 2020 – Jun 2021

Supervised by Prof. Veronika Makarova, Prof. Zhi Li

- Research topics: disfluency and unfilled pauses; academic English writing by L2 learners
- Roles: provided technical (e.g., programming, website development), recruitment, and project management supports; bibliographic research and manuscript writing; results presentation

Student Principal Investigator, Hunan University

Apr 2017 – May 2019

Supervised by Prof. Lanyu Peng

- Project: Grammar as science: Rethinking the construction of Modern Chinese Grammar [[PDF](#)] (in Chinese, 99 pages), funded by the National Student Innovation Training Program
- Outcomes: 11 essays/papers with one published; first-prize in the final project presentation

Research Intern, University of Alberta

Jun 2018 – Sep 2018

Supervised by Prof. Benjamin V. Tucker

- Research topic: effects of English phenetic reduction on Chinese L2 learners
- Roles: used Praat to annotate and segment phonetically reduced words in a corpus of spontaneous English as stimuli; designed and run a psycholinguistic experiment with E-prime 2

PUBLICATIONS & MANUSCRIPTS

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- Li, Z., Makarova, V & **Wang, Z.** (2022). Developing literature review writing skills through an online writing tutorial series: Corpus-based evidence. *Frontiers*. Abstract accepted.
 - **Wang, Z.** (2021). Linguistic Knowledge in Data Augmentation for Natural Language Processing: An Example on Chinese Question Matching. ArXiv:2111.14709v1 [cs.CL]. [[PDF](#)]

- **Wang, Z.**, Li, Z & Zhou, Z. A proposal for unfilled pause reclassification in spontaneous English speech. Manuscript in preparation.
- Peng, L. & **Wang, Z.** (2017). The contemporary reflection on the Sentence-Based theory postulated by New Grammar of Modern Chinese. *Journal of Hengyang Normal University*, 38(5), 95–101.

RESOURCES

Deep Learning	Stanford CS224N NLP with Deep Learning (Notes) Deep Learning Based NLP using paddlenlp (Notes) Word Embedding (Tutorials) Gradient Derivation (Tutorials)
Text processing	Data Augmentation for NLP (Project) Historical English Language Processing Toolkit (Source Code) Linguistic Feature Extractor (Source Code) Unfilled Pause Classifier (Source Code)
Web Scrapping	Google Scholar Analyzer (Source Code) YouTube Info Collector (Source Code)

SKILLS

Programming	Python, R, Java, MATLAB/Octave
Languages	Mandarin (Native), Fuying Dialect (Native), English (Advanced), Korean (Elementary), classic Chinese reading & writing (Advanced)

AWARDS & HONORS

- John Spencer Middleton & Jack Spencer Gordon Middleton Graduate Award, 2020
- Mitacs Globalink Graduate Fellowship, Mitacs, 2019
- Excellent Graduate of the year, Hunan University (one of three in my department), 2019
- Chinese Government Scholarship, China Scholarship Council, 2018
- The First-Class Scholarship, Hunan University, 2017, 2018
- National Student Innovation Training Program Grant, Ministry of Education of China, 2017
- Triple-A student, Hunan University (the single one in my department), 2016
- National Scholarship, Ministry of Education of China, 2016