Chengcheng Wang

✉ chengcheng.wang@my.cityu.edu.hk   ⌗ chengcheng-wang   🆔 0009-0000-6974-1358

EDUCATION

2023 –	◇	**Ph.D. Student in Linguistics**, City University of Hong Kong (CityU) Supervisor: Prof. Jixing Li
2022 – 2023	◇	**M.A. Language Studies**, CityU Supervisor: Prof. Jixing Li Thesis (with distinction): *Modeling syntactic structures during naturalistic reading in fMRI.*
2017 – 2021	◇	**B.A. Japanese**, Huazhong University of Science and Technology (HUST)
2023	◇	**Computational Neuroscience**, NeuroMatch Academy (NMA)

REASERCH EXPERIENCES

2022 – 2023	◇	**LAnguages, Machines, and Brains Lab**, CityU Master's Student, Advisor: Prof. Jixing Li Duty: 1. Conducted analysis on multimodal LLMs and aphasic individuals. 2. Analyzed and evaluated the fMRI-EEG dataset of older Cantonese. 3. Modeled naturalistic reading through fMRI and eyetracking data.

PUBLICATIONS

Wang, C., Fan, Z., Han, Z., Bi, Y.,& Li, J. (2025) Emergent modularity in large language models: Insights from aphasia simulations.*bioRxiv*.

Momenian, M., Ma, Z., Wu, S., **Wang, C.**, Vaghefi, M., Hale, J., Brennan, J., Meyer, L., & Li, J. (2024). Le Petit Prince Hong Kong: Naturalistic fMRI and EEG dataset from older Cantonese. *Sci Data* 11, 992.

CONFERENCE PRESENTATIONS

Wang, C., Fan, Z., Han, Z., Bi, Y.,& Li, J. (2025) Functional specificity in multimodal large language models and the human brain. Poster at Society for the Neurobiology of Language Annual Meeting *SNL 2024*. Brisbane, Australia, Oct 24-26, 2024. (Recipient of Trainee Scholarship Award)

Ma, Z., **Wang, C.** & Li, J. (2023) Syntactic information drives language models' alignment with human comprehension processes. Oral presented at the Architectures and Mechanisms for Language Processing (*AMLaP Asia*), Hong Kong, December 1-3, 2023.

SKILLS

Languages	◇	Mandarin Chinese(native), English(fluent) , Japanese(fluent) and Cantonese (beginner)
Coding	◇	Python, R, LaTeX, HTML, Bash/Shell scripting, and Markdown
ML Tools	◇	Scikit-learn, TensorFlow, PyTorch
NLP Tools	◇	NLTK, Praat, StanfordParser, Jieba, SpaCY
Imaging Tools	◇	Nilearn, MNE
Skills	◇	Adobe Illustrator

INTERNSHIPS & EXTRACURRICULAR ACTIVITIES

2019 ◇ **Teaching Assistant**, Muroran Institute of Technology, Japan

2020 ◇ **Class President**, Department of Japanese, HUST

2019 ◇ **President**, Blue Sky Student Drama Society, HUST

2018 ◇ **Group Leader**, Student' Association Union, HUST

HONORS & AWARDS

2021 ◇ HUST Outstanding Student Leadership Scholarship

2020 ◇ HUST Kiyoto Hariu Award

2018 ◇ HUST Japanese Voice Acting Contest, Third Place

◇ HUST Arts and Sports Scholarship

◇ HUST Japanese Speech Contest, First Place

2017 ◇ HUST Japanese Kana Calligraphy Contest, Second Place