Xinyi(Alex) Ye

+852 9445-7758
alexxye.al@gmail.com
https://alexxyye.github.io

Education

Degree-seeking Programs

M.A. in Psychology, The Chinese University of Hong Kong — 2021-2022
Thesis: "A Meta-Analysis on the N1 Print Tuning Effect in Early and Late N1 Time Window"
Supervisor: Dr. Urs Maurer

M.A. in Linguistics, The Chinese University of Hong Kong — 2019-2020

B.A. in English, Beijing Sport University — 2015-2019
Thesis: "A Corpus-based Study on Gender Awareness in Sports News: Taking China Daily and The Guardian as Examples"

Non-degree Studies

Computational Neuroscience Course, Neuromatch Academy — 2022

Data Science Math Skills, Coursera — 2020

Summer Exchange Program, The Chinese University of Hong Kong — 2018

Honors

University Scholarship, Beijing Sport University — 2016-2019

Research Experience

Research Associate • BLC Lab • Hong Kong Polytechnic University — 2022-present
Principal Investigator: Dr. Andrew Ping Li
- Leading independent research project
- Designing experimental protocol
- Programing VR experiment
- Multimodal data collection and analysis (fMRI, EEG, eye-tracking, behaviour)
- Project coordination and lab management

Student Helper • Brain and Mind Institute • The Chinese University of Hong Kong — 2021-2022
Principal Investigator: Dr. Patrick C. M. Wong
- Data collection and analysis (EEG: Frequency Following Response)

Research Assistant • Department of Chinese and Bilingual Studies • Hong Kong Polytechnic University — 2021
Principal Investigator: Dr. Caicai Zhang
- Data collection and analysis (EEG: ERP analysis with cluster-based permutation test)
- Literature review

Research Assistant • Department of Linguistics and Modern Languages • **The Chinese University of Hong Kong**   2020

Principal Investigator: Dr. Shuxiang You

- Literature review
- Experimental design
- Phonological data analysis

Student Helper • Brain and Mind Institute • The Chinese University of **Hong Kong**   2019-2020

Principal Investigators: Dr. Patrick C. M. Wong; Dr. Gangyi Feng

- Utterance coding and labelling with CLAN
- Phonological segmentation with Praat

Working Experience

IELTS Test Lecturer • Beijing GEDU • China   2020

- IELTS Listening test
- IELTS Writing test

K-12 English Tutor • Beijing New Dimension Academy • China
                                                                                        2019
- Individual tutoring in English course

Camp Counselor • YMCA Frost Valley • USA
                                                                                        2017
- Maintenance team
- Athletic and personal mentorship to high schoolers

Research Projects / Written Works

Ye, X. Y., Huang, K. X., Maurer, U. (In preparation). *A Meta-Analysis on the N1 Print Tuning Effect in Early and Late N1 Time Window.*

Yu, S. Y., **Ye, X. Y.**, Jiang, Y., Li, P. (In preparation). *Technologies, Data, and Learning: Digital language learning (DLL) and second language representation.* https://github.com/alexxyye/VR-EEG-experiment

Ye, X. Y., Mahapatra, A., Pan, D., Çelebi, F., Li, J. L. (2022) *Are we by default social?* Neuromatch Academy Project. https://github.com/SocialDragonsNeuromatch/NeuromatchProject

Skills

Neuroimaging Experiment/Analysis   (EEG/fMRI)

Data Analysis   (Python/R/Matlab)

Virtual Reality   (C#/Unity)

Machine/Deep Learning (Sklearn/PyTorch)

Website Building (HTML/CSS/JavaScript)

Speech Analysis (Praat/Audacity/CLAN)

Adobe Creative Toolkit   (Photoshop/Premiere/After Effect)