

# Xinyi (Alex) Ye

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## Education

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### Degree-seeking Programs

<b>M.A. in Psychology</b> , The Chinese University of Hong Kong <i>Thesis</i> : “A Meta-Analysis on the N1 Print Tuning Effect in Early and Late N1 Time Window” Supervisor: Dr. Urs Maurer	2021-2022
<b>M.A. in Linguistics</b> , The Chinese University of Hong Kong	2019-2020
<b>B.A. in English</b> , Beijing Sport University <i>Thesis</i> : “A Corpus-based Study on Gender Awareness in Sports News: Taking China Daily and The Guardian as Examples”	2015-2019

### Non-degree Studies

<b>Computational Neuroscience Course</b> , Neuromatch Academy	2022
<b>Data Science Math Skills</b> , Coursera	2020
<b>Summer Exchange Program</b> , The Chinese University of Hong Kong	2018

## Honors

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<b>University Scholarship</b> , Beijing Sport University	2016-2019
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## Research Experience

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<b>Research Associate • BLC Lab • Hong Kong Polytechnic University</b> Principal Investigator: Dr. Andrew Ping Li <ul style="list-style-type: none"><li>• Leading independent research project</li><li>• Designing experimental protocol</li><li>• Programming VR experiment</li><li>• Multimodal data collection and analysis (fMRI, EEG, eye-tracking, behaviour)</li><li>• Project coordination and lab management</li></ul>	2022-present
<b>Student Helper • Brain and Mind Institute • The Chinese University of Hong Kong</b> Principal Investigator: Dr. Patrick C. M. Wong <ul style="list-style-type: none"><li>• Data collection and analysis (EEG: Frequency Following Response)</li></ul>	2021-2022
<b>Research Assistant • Department of Chinese and Bilingual Studies • Hong Kong Polytechnic University</b> Principal Investigator: Dr. Caicai Zhang <ul style="list-style-type: none"><li>• Data collection and analysis (EEG: ERP analysis with cluster-based permutation test)</li><li>• Literature review</li></ul>	2021

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**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

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**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

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**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.*

**Ye, X. Y.**, Yu, S. 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

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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)