

QIANXI YU

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RESEARCH INTERESTS

- Language development of typically and atypically developing children
- Role of multi-modal information in language comprehension
- Role of mentalizing abilities in language comprehension
- Attention's modulation of speech comprehension

EDUCATION

Nanjing University of Science and Technology, China Sep. 2021-Mar. 2024
Research Master of Arts in Linguistics | GPA 3.92/4 (top 1%)
Courses: *Experimental Phonetics* (97/100), *Empirical Methods in Linguistic Research* (91/100), *Semantics and Pragmatics* (92/100), *Exploration on Modern Linguistic Theories* (90/100)

Nanjing University of Science and Technology, China Sep. 2017-Jun. 2021
Bachelor of Arts in English | GPA 3.64/4 (top 10%)
Courses: *Classical Literature in Linguistics* (96/100), *Introduction to English Linguistics* (92/100)

PUBLICATIONS

Yu, Q., Li, H., Li, S., & Tang, P. (In press). Prosodic and Visual Cues Facilitate Irony Comprehension by Mandarin-Speaking Children with Cochlear Implants. *Journal of Speech, Language and Hearing Research*. (SSCI, Q1)

Tang, P., Shen, Y., Li, S., **Yu, Q.**, & Feng, Y. (In press). Visual-Articulatory Cues Facilitate Children with CIs to better perceive Mandarin Tones in Sentences. *Speech Communication*. (SCIE, Q2)

Li, S., Wang, Y., Feng, Y., **Yu, Q.**, & Tang, P. (In press). The Effect of Visual-Articulatory Cues on the Identification of Mandarin Tones by Children with Cochlear Implants. *Journal of Speech, Language and Hearing Research*. (SSCI, Q1)

Yu, Q., Shen, Y., Wang, L., & Tang, P. (2023). The Acquisition of Mandarin Tones by Children with Cochlear Implants: Effects of Age at Implantation and Cochlear Implant Experience. *Chinese Journal of Phonetics*. (AMI Core journal in China)

Yu, Q., & Tang, P. (2021). The Role of High Variability Phonetic Training on Chinese EFL Learners' Perception of English Vowels in Noisy Environment. In *Proceedings of the 24th Conference of the Oriental COCOSDA International Speech Databases and Assessment Techniques (O-COCOSDA)*, November 18-20, Singapore (pp. 94-99). IEEE. (EI)

RESEARCH EXPERIENCE

College of Biomedical Engineering and Instrument Science, Zhejiang University
Research Assistant | PI: Dr. Nai Ding Apr. 2024 - present
Project 1: Children's sensitivity to linguistic constituency

- Design experiments (in progress)

Project 2: Decoding Auditory Attention Using Complex Linguistic Sequences and Low-Frequency Neural Oscillations in EEG Signals

- Collect EEG data (in progress)

RESEARCH PROJECTS

Mandarin Ironic Speech Comprehension by Normal-Hearing Children and Children with Cochlear Implants

Master's Thesis | Supervisor: Dr. Ping Tang

Sep. 2022 - Mar. 2024

- Reviewed more over 200 research articles to identify potential research questions
- Designed and processed over 1000 audio and video materials (using Praat and editing tools)
- Collected experimental data from over 100 children (using PsychoPy) and conducted data analysis (using R)
- Wrote the thesis

The Acquisition of Mandarin Tones by Children with Cochlear Implants: Effects of Age at Implantation and Cochlear Implant Experience

Research Assistant | Supervisor: Dr. Ping Tang

Sep. 2022 - Mar. 2023

- Conducted data analysis (using R)
- Wrote and modified the submitted draft

The Effect of Visual-Articulatory Cues on the Identification of Mandarin Tones by Children with Cochlear Implants

Research Assistant | Supervisor: Dr. Shanpeng Li

Aug. 2022 - Aug. 2023

- Assisted data analysis (using R)

Role of High-Variability Phonetic Training on Chinese EFL Learners' Identification and Discrimination of English Tense-Lax Vowel Contrasts /ɑ/-/ʌ/ and /i/-/ɪ/

Bachelor's Thesis | Supervisor: Dr. Ping Tang

Sep. 2020 - Jun. 2021

- Reviewed over 100 research articles and identified research questions
- Designed materials and recruited 10 native speakers for recording
- Designed identification and AX discrimination experiments and collected data from 24 adults (using PsychoPy)
- Conducted data analysis (using R)
- Finished thesis writing

CONFERENCES

33rd International Congress of Psychology

Czech, July. 2024

Oral presentation (Accepted)

The Third Academic Annual Conference of the Neurolinguistics Branch of the Society on Modernization of Chinese Language

China, Oct. 2023

Oral presentation

Jiangsu Provincial Graduate Forum on Academic Innovation in Language Development and Disorders

Oral presentation

China, Sep. 2023

The 24th Conference of the Oriental COCOSDA International Speech Databases and Assessment Techniques (O-COCOSDA)

Singapore, Nov. 2021

Oral presentation

EXTRACURRICULAR ACTIVITIES

EMLAR 2024 Workshop at Utrecht University

Aug. 2024

- Attended tutorials: *ERP experiments, Bayesian Hypothesis Evaluation, Statistics using R...*

“Yu Yan” Summer Camp of Speech Therapy at the Affiliated Stomatological Hospital of Nanjing Medical University

Aug. 2023

- Volunteered as a speech therapist to train children who have undergone cleft surgeries in correctly pronouncing Chinese consonants

2021 Taiwan Summer School of Cognitive Neuroscience

Sept. 2021

- Attended courses: *Language Comprehension by Children with ADHD, Introduction of fNIRS, Musical Training...*

SELECTED HONORS AND AWARDS

- **Excellent Paper Award** of Jiangsu Provincial Graduate Forum on Academic Innovation in Language Development and Disorders 2023
- **First Prize** of Academic Scholarship for Postgraduates, NJUST 2022

- **Second Prize** in the 31st “Innovation Cup” College Students Extracurricular Academic Science and Technology Works Competition of Nanjing University of Science and Technology 2022
- **First Prize** of Academic Scholarship for Postgraduates, NJUST 2021
- **Second Prize** in the 9th International Translation and Interpretation Competition “Perfect World” Cup 2020
- **Second Prize** in the 27th “Innovation Cup” College Students Extracurricular Academic Science and Technology Works Competition of Nanjing University of Science and Technology 2018

SKILLS AND CERTIFICATES

Languages: Mandarin (native), Southwestern Mandarin (native), English (IELTs 7.5), Korean (TOPIK 2), Japanese (Beginner)

Softwares: Praat, Adobe Audition, PsychoPy, Microsoft Office, Latex

Programming: R, Praat script, Matlab (Psychtoolbox)

Data collection: EEG

Certificates: Certificates of Test for English Major (TEM8, TEM4), Certificate of Interpretation, (level 3, CATTI), Certificate of Translation (level 3, CATTI), Business English Certificate (High)