

Dr Yanyu Li

PhD Speech and Language Sciences, Newcastle University, UK

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RESEARCH INTERESTS

Strong background in experimental psycholinguistics and quantitative methods. Particularly interested in cognitive processes related to language processing, attention, and learning. Specifically, my doctoral work investigates the perceptual learning of non-native lexical tones from a cue-weighting approach.

EDUCATION

PhD Speech and Language Sciences , Newcastle University	Sep. 2021 – Dec. 2025
• Thesis: An incremental cue-weighting approach to lexical tone training	
• Supervisors: Dr. Laurence White and Prof. Ghada Khattab	
• Investigated the training effect of incrementally exaggerated acoustic cue in lexical tone perceptual learning.	
• Method: Designed 5 experiments on <i>Gorilla</i> to explore conditions where perceptual benefits of pitch cue enhancement would sustain. Tonal stimuli were re-synthesised based on speech recordings in Praat.	
Quantitative data were analysed in R via Generalised Linear Mixed Models through a frequentist approach.	
M.A. Linguistics (Distinction) , The University of Manchester	Sep. 2019 – Dec. 2020
• Key modules: Psycholinguistics, Phonetics and Phonology, Sociolinguistics, Syntax	
• Dissertation: Contextual Effect on Second Language Production of Mandarin Tone 2 and Tone 3 Examined contextual effect on L2 Mandarin tone production via experimental reading tasks.	
• Acoustic analysis in Praat: normalised tone duration and F0 over large sets of L2 speech recordings. Statistical analysis in R using linear regression models.	
B.A. English Literature and Language , Donghua University	Sep. 2015 – Jun. 2019
• Dissertation: A study on McDonald's Advertising Discourse from the Perspective of Attitudinal System	
Exchange Programme (Outstanding Exchange Student) , Lingnan University	Jan. – May. 2018

PUBLICATIONS

Journal articles

- Coretta, S., Casillas, J. V., ..., Li, Y., ... & Wood, A. (2023). Multidimensional signals and analytic flexibility: Estimating degrees of freedom in human-speech analyses. *Advances in Methods and Practices in Psychological Science*, 6(3).
- Chen, S., Li, Y., Arche, M.J., Monks, C.P., & White L. (third-round revision, *Studies in Second Language Acquisition*). Teaching Mandarin tones to English speakers via intonational analogy.
- Li, Y., Hoogland, D., Duncan, D., & Zhang, C. (second-round review, *Linguistic Vanguard*). Gamification in phonetic perception data collection: accent recognition of Northeast England regions.
- Li, Y., White, L., & Khattab, G. (first-round review, *Bilingualism: Language and Cognition*). The effect of incremental cue training in phonetic learning of lexical tones.
- Li, Y., White, L., & Khattab, G. (in preparation). The effect of incrementally reducing cue exaggeration: an extended training in phonetic learning of lexical tones.

Conference proceedings

- Li, Y., White, L., & Khattab, G. (2023). Incremental cue training: a study of lexical tone learning by non-tonal listeners. In *Proceedings of the 20th International Congress of Phonetic Sciences–ICPhS 2023*.

WORK & ADMINISTRATIVE EXPERIENCE

Work-related

Productive Play House, Text-to-speech linguistic consultant (part-time)	Dec. 2025 – Present
Newcastle LingLab manager cover < link >	Jul. 2025 – Sep. 2025

- Co-ordinating with IT or other services online/offline, e.g., for subscriptions or maintenance.
- Ensuring lab setup/access prior to recordings/experiments.

Administration

Newcastle Phonetic and Phonology (P&P) research group student convenor

May 2025 – Present

- Updating research website <[link](#)>, e.g., blogs and design.
- Co-ordinating and supporting group meetings, workshops, seminars, and events.

Statistic research group student convenor

Mar. 2022 – Present

- Scheduling and leading statistical workshops.

Student school/course representative, Speech and Language Sciences Department

Dec. 2022 – Sep. 2024

- Co-ordinated between staff and students to improve research culture and community.

TEACHING EXPERIENCE

Tutor: experimental methods related, Newcastle University

Sep. 2022 – Dec. 2025

Key modules: Quantitative Data Analysis in R, Phonetics I and II, Language variation & change: dealing with data

- Developed lab materials and led tutorials using relevant tools including R and PRAAT. Marked assignments.

Teaching Assistant, Newcastle University

Sep. 2022 – Dec. 2025

Key modules: Phonetics I and II (school of ECLS), Phonetics & Phonology (school of SELLL)

- Provided phonetic ear training of the IPA chart.
- Marked assignments and arranged one-to-one student consultation hours.

Guixue, Language School

Jun. 2019 – Aug. 2019

- Developed course content and led 4 modules for IELTS. Improved students' scores on average from 4.5 – 6.

PROFESSIONAL SERVICE / MEMBERSHIP

Reviewed journals

- Applied Psycholinguistics

Reviewed conferences

- British Association of Academic Phoneticians Colloquium (BAAP)

Professional membership

- British Association of Academic Phoneticians (BAAP)

Sep. 2022 – Present

- International Speech Communication Association (ISCA)

Sep. 2024 – Present

- Experimental Psychology Society (EPS)

Jan. 2026 – Present

RESEARCH & TRAINING EXPERIENCE

Collaboration, Newcastle University

May. 2023 – Dec. 2024

First author & team lead: Gamification to data collection in sociophonetics

- Identified research objectives, designed experiments, and conducted data analysis.
- Co-ordinated between team members and completed the manuscript as the first author.
- Disseminated outcome in academic conferences and public events.

The 7th & 9th Summer School on Statistical Methods for Linguistics and Psychology (SMLP) Aug. 2025 / Sep. 2022

- Attended workshops on Bayesian analysis and Foundational methods in frequentist statistics.

Speech annotation cross-validation for a PhD colleague

Nov. 2025

- Manual correction for automatically aligned annotation for Italian-English bilingual speech data in Praat.

Research Assistant in Many Speech Analyses <[link](#)>, Newcastle University

Oct. 2021 – Jan. 2023

- Segmented and annotated German speech data from a psycholinguistic experiment in Praat.

Research Assistant in Acoustic Phonetics, Newcastle University

Oct. 2021 – Mar. 2022

- Segmented and annotated dysarthria speech in Praat.

CONFERENCES & TALKS

Invited Talks

- **An incremental cue-weighting approach to lexical tone learning**
School of Psychology, Newcastle University Nov. 2025
- **Gamification to data collection in perceptual dialectology**
Northeast Game Network, Newcastle University May. 2026
- **An incremental cue-weighting approach to extended lexical tone training**
Experimental Psychology Society (EPS) Meeting (short talk)
Newcastle University, Yanyu Li, Laurence White, Ghada Khattab Mar. 2026

Conference Presentations

- **British Association of Academic Phoneticians (BAAP) (talk)**
An incremental cue-weighting approach to extended lexical tone training
Warwick University. Yanyu Li, Laurence White, Ghada Khattab Apr. 2026
- **Phonetics and Phonology in Europe (PaPE) (poster)**
Learning L2 lexical tone discrimination: how is incremental cue training modulated by task difficulty
Palma de Mallorca. Yanyu Li, Laurence White, Ghada Khattab Jun. 2025
- **British Association of Academic Phoneticians (BAAP) (posters)**
Lexical tone learning: the effect of Incremental cue training and tonal experience
Cardiff University. Yanyu Li, Laurence White, Ghada Khattab Mar. 2024
- Gamifying phonetic data collection
Cardiff University. Cong Zhang, Yanyu Li, Damar Hoogland, Daniel Duncan
- **International Congress of Phonetic Sciences (ICPhS) (talk)**
Lexical tone learning: the effect of Incremental cue training on non-tonal listeners
Prague. Yanyu Li, Laurence White, Ghada Khattab Aug. 2023
- **New Trends in Chinese as a Second Language conference (talk)**
Lexical tone learning: the effect of Incremental cue training and tonal experience
Lancaster University. Yanyu Li, Laurence White, Ghada Khattab Sep. 2023

SELECTED AWARDS

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| ECLS PGR conference funding , Newcastle University (£1000) | Jun. 2024 |
| Pioneer Award by Institute of Social Sciences, Newcastle University (£1000) | Jul. 2023 |
| IPA Student Awards by the International Phonetic Association (£600) | Mar. 2023 |
| ECLS PGR conference funding , Newcastle University (£300) | Mar. 2023 |
| PhD Full-Scholarship jointly by Newcastle University and the Chinese Scholarship Council | 2021 – 2025 |
| Outstanding Undergraduate Thesis | 2019 |
| Scholarship for Undergraduate Exchange Students | 2017-2018 |

VOLUNTARY OUTREACH

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| HaSS RED programme student orator | Aug. 2025 |
| Discover Festival , Hancock Museum, Newcastle < link > | Jul. 2025 |
| Festival of Social Science , Farrell Centre, Newcastle < link > | Nov. 2024 |
| • Coordinated between organisers and the public to disseminate research findings and improve engagement. | |
| Online host for the seminar <i>Accent and Social Justice</i> | 2022 |
| Shanghai International Film Festival | Jun. 2018/2019 |
| • Interpreter and Secretary for Stefan Lauding, the President of Warsaw International Film Festival. | |
| Technology Conference & Exhibition (Hawei Connect) | Oct. 2018 |
| • Interpreter for the area <i>Intent-Driven Network</i> . | |

RELEVANT SKILLS

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- Programming: R, Praat
 - Statistical skills: Frequentist/Bayesian mixed-effect regression modelling, factor analysis (e.g., multidimensional scaling), classification analysis (e.g., random forest).
 - Other software: LaTeX, Experimental builders (e.g., Gorilla, LabVanced), Word, Excel, PowerPoints

- Languages: Mandarin (native), English (proficient), French (elementary)

REFEREES

- Laurence White: Laurence.White@newcastle.ac.uk
Reader in Speech Science, Newcastle University
Relationship: primary PhD supervisor
Address: Room 2.22, Speech and Language Sciences, School of ECLS, King George VI Building NE1 7RU
- Ghada Khattab: ghada.khattab@ncl.ac.uk
Professor of Phonetics and Phonology, Newcastle University
Relationship: secondary PhD supervisor
Address: Room 1.06 KGVI, School of ECLS, King George VI Building NE1 7RU
- Cong Zhang: Cong.Zhang@newcastle.ac.uk
Lecturer in Phonetics and Phonology, Newcastle University
Relationship: Collaborator & TA-relevant module leader
Address: Room 1.05 KGVI, School of ECLS, King George VI Building NE1 7RU