Tianle Yang

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Last updated: September 1, 2022

EDUCATION

Feb 2018 - Dec 2021   Bachelor of Information Technology, Australian National University

RESEARCH INTEREST

Phonetics; Phonology; Tone; Language variation and change; Language acquisition; Machine learning and computer vision; Documentation and analysis of endangered languages

HONORS AND AWARDS

2021   Research assistantship ($1,000), Documenting words and acoustics in Chinese Wu sites

2019   Silver medal in Kaggle Prediction Competition

2016   Golden medal in National Biology Contest

PUBLICATIONS

Journal Articles

2022   [At revision stage] Tianle Yang, Kun Mao. "Emotion-related One-on-one Japanese Online Classroom Study." *International Journal of Educational Research Open*, will be published online ahead of print.

Conference Proceedings

2022   Phil Rose & Tianle Yang "Modeling Interaction between Tone and Phonation Type in the Northern Wu Dialect of Jinshan." *The 18th Australasian International Conference on Speech Science and Technology*. December 13th-16th, Canberra, Australia.

Reports and Other Publications

2022   Tianle Yang. "Neural networks with different initialization methods for depression detection." https://doi.org/10.48550/arXiv.2205.04792

2021   Tianle Yang. "Acoustic analysis of Jinshan citation tones in monosyllabic and selected disyllabic words." Final year research report at Australian National University

Manuscripts

2022   Tianle Yang. "Perception of Shanghai tones by Cantonese, Mandarin and English speakers." *Finished - under revision*

CONFERENCE ACTIVITY

Conference Papers Presentation

2022   Phil Rose & Tianle Yang "Modeling Interaction between Tone and Phonation Type in the Northern Wu Dialect of Jinshan." *The 18th Australasian International Conference on Speech Science and Technology*. Canberra, Australia. December 13th–16th.

CURRENT PROJECTS

Documentation and analysis of Hainan dialect

Automatic Wu tone identification and categorization based on given vocal onsets and offsets

Automatic tonal acoustics extraction

Between speaker differences in Jinshan vowels

SERVICE

Academic Journal Peer Review

International Journal of Language Education

PROFESSIONAL MEMBERSHIPS

2022–present   Acoustical Society of America

2022–present   Linguistics Society of America

2022–present   International Speech Communication Association

2022–present   Australasian Speech Science and Technology Association

WORK EXPERIENCE

2019–present   Japanese & English tutor for Chinese students

RESEARCH SKILLS

Languages

Native   Mandarin, Chinese Wu

Fluent   English, Japanese

Other   Latin (Working knowledge), Min and Hlai (Fieldwork)

Computing

Python, JavaScript, Haskell, SQL, Bash, JAVA