Tianle Yang

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EDUCATION

2023 - Present　　　Ph.D. in Linguistics, University at Buffalo SUNY
2023 - 2025　　　　M.S. in Computational Linguistics, University at Buffalo SUNY
2018 - 2022　　　　Bachelor of Information Technology, Australian National University

RESEARCH INTEREST

Acoustic phonetics; Speech processing; Computational linguistics; Language documentation and analysis

HONORS, FUNDING AND AWARDS

2023-28　　Fellowship, University at Buffalo ($23,000 per year)

2024　　　Conference funding ($1,000), Graduate Student Association and UB Linguistic Department

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

2019　　　Silver medal in Kaggle Prediction Competition

PUBLICATIONS

2025　　　(to appear) **Tianle Yang** and Matthew Faytak. "Onset-tone interaction in Mundabli." Proceedings of the Linguistic Society of America.

2024　　　Matthew Faytak, Mariana Quintana Godoy, and **Tianle Yang**. "Lingual and epilaryngeal articulation of vowels in Mundabli." ISSP 2024 - 13th International Seminar on Speech Production.

2024　　　Phil Rose and **Tianle Yang**. "Diagnosing dominance: Problematic sandhi types in the Chinese Wu dialect of Jinshan." Proceedings of the Linguistic Society of America.

2022　　　Phil Rose and **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.

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 at Australian National University.

CONFERENCE ACTIVITY

Conference Presentation and Poster

2025 **Tianle Yang** and Matthew Faytak. "Onset-tone interaction in Mundabli." Linguistic Society of America Annual Meeting. January 9th–12th, Philadelphia, USA.

2024 **Tianle Yang**. "Acoustic analysis of Mundabli tones in monosyllabic words." PHUNY (Phonetics/Phonology in Upstate NY). March 9, New York, USA.

2024 **Tianle Yang** and Phil Rose. "Left dominant or right dominant? Problematic sandhi types in the Chinese Wu dialect of Jinshan." Linguistic Society of America Annual Meeting. January 4th–7th, New York, USA.

2022 Phil Rose and **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.

SERVICE

Academic Journal Peer Review

International Journal of Language Education

PROFESSIONAL MEMBERSHIPS

2022–present   Linguistics Society of America

2022–2023   Acoustical Society of America

2022–2023   International Speech Communication Association

2022–2023   Australasian Speech Science and Technology Association

RESEARCH EXPERIENCE

Research Assistant
UB Phonetics Lab, University at Buffalo   **Aug 2023 – Jun 2024**
Supervisor: Prof. Matthew Faytak
- Conducting research on segmental annotation of speech sounds.
- Using Praat for speech acoustics extraction and analysis.
- Running statistical models such as GAMMs and visualizing findings in R.
- Authored paper summarizing findings, which was presented at academic conferences.

Research Assistant
UB Computational Linguistics Lab, University at Buffalo   **Aug 2024 – present**
Supervisor: Prof. Cassandra Jacobs
- Testing deep speech model.
- Running MFA on audio file.
- Comparing the speech production of humans with the production of speech models.

SKILLS

Languages and dialects

Native   Mandarin, Chinese Wu

Fluent   English, Japanese

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

Computing

Python, Haskell, SQL, R, JAVA