

Theron (Sinong) Wang (He/Him/His)

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theronwang.github.io

EDUCATION

University of Texas at Arlington <i>Ph.D. in Computer Science</i> GPA: 4.0/4.0 — John S. Schuchman Outstanding Doctoral Student	2023 – Present Arlington, TX
Northeastern University <i>M.S. in Software Engineering</i> GPA: 3.25/4.0, Rank: 37/126 — First Class Fellowship (×2); Second Class Fellowship (×1)	2020 – 2023 Shenyang, China
University of Texas at Arlington <i>M.S. in Computer Science</i> GPA: 4.0/4.0, Rank: 1/37	2021 – 2023 Arlington, TX
Donghua University <i>B.E. in Nonwovens Engineering</i>	2016 – 2020 Shanghai, China

EXPERIENCE

University of Texas at Arlington, Dept. of Computer Science & Engineering **Fall 2024 – Present**
Arlington, TX

CSE Web Developer (Graduate Research Assistant)

- Maintain an internal app primarily used by CSE faculty, staff, and students; submit CSE website change requests to College of Engineering supervisors

University of Texas at Arlington, Dept. of Computer Science & Engineering **Fall 2023 – Spring 2024**
Arlington, TX

Graduate Teaching Assistant — Natural Language Processing (NLP); Programming Language Concepts (PLC)

- Prepared tutorials for courses; graded assignments, quizzes, and exams; answered student questions; and cooperated with instructors

PUBLICATIONS

- N. Sudarsanam, S. Kader, I. Fernandezlopez, S. Huang, T.M. Dang, **T.S. Wang**, et al., “Unsupervised Discovery and Analysis of the Vocal Repertoires and Patterns of Select Corvid Species,” *ICASSP 2026 – IEEE International Conference on Acoustics, Speech and Signal Processing*, 2026.
- **T.S. Wang**, X. Li, H. Lekhak, T.M. Dang, M. Wu, K. Zhu, “Toward Automatic Discovery of a Canine Phonetic Alphabet,” *Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics (ACL)*, 2025. **Outstanding Paper Award.**
- T.M. Dang, **T.S. Wang**, H. Lekhak, K.Q. Zhu, “EmotionalCanines: A Dataset for Analysis of Arousal and Valence in Dog Vocalization,” *Proceedings of the 33rd ACM International Conference on Multimedia*, pp. 13281–13288, 2025.
- H. Lekhak, **T.S. Wang**, T.M. Dang, K.Q. Zhu, “DogSpeak: A Canine Vocalization Classification Dataset,” *Proceedings of the 33rd ACM International Conference on Multimedia*, pp. 13369–13375, 2025.
- H. Lekhak, T.M. Dang, **T.S. Wang**, K.Q. Zhu, “A Data-driven Approach to the Longitudinal Study of Canine Vocal Pattern Development,” *Proceedings of the 33rd ACM International Conference on Multimedia*, pp. 12473–12482, 2025.
- **T.S. Wang**, X. Li, C. Zhang, M. Wu, K. Zhu, “Phonetic and Lexical Discovery of Canine Vocalization,” *Findings of the Association for Computational Linguistics: EMNLP 2024*, 2024.
- X. Li, **S. Wang**, Z. Xie, M. Wu, K.Q. Zhu, “Phonetic and Lexical Discovery of a Canine Language Using HuBERT,” *arXiv preprint arXiv:2402.15985*, 2024.

SKILLS & INTERESTS

Programming: Python, JavaScript, MySQL, C/C++

Languages: English (fluent), Mandarin (native)

Interests: Stage drama, cooking, video games