

Zhelun Wang

DATE OF BIRTH: JANUARY 4, 2000 · GENDER: MALE

☎ 18629037247 | ✉ wzlpaper@126.com | 🏠 orcid.org/0009-0004-8688-5520

Education

Liaoning Technical University, School of Electronic and Information Engineering

M.E. IN INFORMATION AND COMMUNICATION ENGINEERING

Huludao, Liaoning, China

Sep. 2022 – Jun. 2025

Tianjin Renai University, School of Information and Intelligent Engineering

B.E. IN INTERNET OF THINGS ENGINEERING

Tianjin, China

Sep. 2018 – Jun. 2022

Research Project Experience

Basic Research Project of Liaoning Provincial Department of Education

Huludao, Liaoning, China

LIAONING TECHNICAL UNIVERSITY

Sep. 2022 – Jun. 2025

- Research on Human Activity Recognition Model Based on Channel State Information in Complex Environments (LJKZ0349), Principal Investigator
- Research on Intelligent Energy-Saving Methods Driven by Wi-Fi Environmental Sensing (LJ212510147032), Principal Investigator

Basic Research Project of Liaoning Provincial Department of Education

Ordos, Inner Mongolia, China

ORDOS RESEARCH INSTITUTE, LIAONING TECHNICAL UNIVERSITY

Jun. 2025 – Aug. 2025

- Research on Intelligent Traffic Detection Technology for Open-Pit Mines Using Millimeter-Wave Radar (LJ212410147042), Key Participant
- Theoretical Research on Multimodal Collaborative Sensing of Fatigue and Health for Complex Driving (LJ212510147008), Key Participant

Intelligent Multi-Source Heterogeneous Information Fusion Target Recognition System
(Aerospace JG Project)

Jiaxing, Zhejiang, China

ZHEJIANG YIXING TECHNOLOGY CO., LTD.

Aug. 2025 – Present

- ZC Data Simulation Module under the Electronic DKZC System, Principal Investigator

Selected Accepted Academic Publications

- Z. Wang**, Y. Liu and Z. Tao, “Wi-ZFC: A Cross-Domain Gesture Recognition System Based on DFS Zero-Frequency Circles,” in *IEEE Communications Letters*, doi: 10.1109/LCOMM.2025.3592014. **(SCI, JCR Q2)**
- Z. Tao (Advisor), **Z. Wang**, Y. Liu, Y. He, and Y. Wang, “Wireless Perceptual Space Modeling Method for Cross-Domain Human Activity Recognition,” in *ACM Transactions on Embedded Computing Systems*, doi: 10.1145/3724119. **(SCI, JCR Q2)**

Selected Academic Publications Under Review

- Z. Wang** et al., “D-Sense: Leveraging Wi-Fi to Unlock the Full Potential of Gesture Recognition,” in *IEEE Trans. Mob. Comput.*. **(SCI, JCR Q1 Top)**

Skills

Coding	MATLAB		Python	
Signal Processing	Time-Frequency Analysis	Signal Denoising	Subcarrier Analysis	Complex-Valued Array Signal Temporal Analysis
	Feature Enhancement	Domain-Invariant Feature Extraction	Doppler Frequency Shift	Multimodal Signal Feature Fusion and Enhancement
Learning Model	Machine / Deep Learning	Reinforcement Learning	AIGC	GAN
Others	Ubuntu22.04 LTS	Academic Visualization	Office / LaTeX	GPU Acceleration / Environment Setup

The student demonstrates strong learning ability and excellent skills in information retrieval. In addition, they have contributed to several publications as a non-first author, including one JCR Q2 paper, one CSCD core journal paper, and two EI conference papers. The student also shows remarkable resilience and ability to perform under pressure.