

Education

- **China Agricultural University** (Admitted via Recommendation Program) Beijing, China
Master of Engineering in Computer Science and Technology Sep. 2026 - Jul. 2029
- **Harbin University of Commerce** (Ranking: 1/77) Harbin, China
Bachelor of Engineering in Internet of Things Engineering Sep. 2022 - Jul. 2026

Experience

- **Huazhong University of Science and Technology** Wuhan, China
Research Intern Jul. 2025 - Aug. 2025
 - Collaborated with United Imaging Healthcare to assist in 3D medical image data annotation and the design of medical image semantic segmentation algorithms.

Publication

- **Tang, D.**, Tang, S., Wang, Y., Guan, S., & Jin, Y. (2025). A Global Object-Oriented Dynamic Network for Low-Altitude Remote Sensing Object Detection. *Scientific Reports*, 15(1), 19071.
- **Tang, D.**, Tang, S., & Fan, Z. (2024). LCFF-Net: A Lightweight Cross-Scale Feature Fusion Network for Tiny Target Detection in UAV Aerial Imagery. *PloS One*, 19(12), e0315267.

Projects

- IoT Vehicular Security System Based on Big Data Models and Artificial Intelligence (Project Leader)
Supported by National College Students' Innovation and Entrepreneurship Training Program & Heilongjiang Provincial College Students' Entrepreneurship Support Project.
- Intelligent Crop Harvesting Vehicle Based on AI and Machine Vision (Project Leader)
Supported by National College Students' Innovation and Entrepreneurship Training Program.
- Smart City Management System Driven by Low-Altitude Remote Sensing (Project Leader)
Supported by National College Students' Innovation and Entrepreneurship Training Program.
- Financial Investment Strategy Research and Platform Construction for Heilongjiang's Ice-Snow Economy in the Big Data Era (Core Member)
Supported by National College Students' Innovation and Entrepreneurship Training Program.
- Travel Assistance Device for the Visually Impaired Based on Computer Vision (Core Member)
Supported by National College Students' Innovation and Entrepreneurship Training Program.
- "Spark & Wind": A Rural Revitalization Initiative (Core Member)
Supported by National College Students' Innovation and Entrepreneurship Training Program.

Language

- English Proficiency: College English Test Band 6 (Pass)

Awards

- National Scholarship (Top 0.2%, highest honor for undergraduates in China) 2025
- Merit Student of Heilongjiang Province 2023, 2025
- First Prize, National College Student Market Survey and Analysis Competition 2025