



JIACHENG DONG



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EDUCATION

University of Technology, Sydney (UTS)	Aug 2024- Present
B.S in Software Engineering with Honours GPA: 90.3/100	
Northeastern University, China (NEU)	Sep 2022 - Jun 2024
B.S in Computer Science GPA: 88.1/100	

HONORS AND AWARDS

- Dean’s List – UTS (2025)
- First Prize, Full Scholarship - HACI LAB (2023-2024)
- National Second Prize – 23rd National RoboMaster Super Combat (2024)
- Reviewer of AAI, ACM MM, and BESC

PATENTS

- Multi-Event, Multi-Task Emotion State Evaluation — CN App. 202510123241.3; grant notice 2025-09-29.
- Real-Time Multi-Modal Mental-Health Analysis (AI-based) — CN App. 202411150269.8; grant notice 2025-09-29.

PUBLICATIONS

1. PPHA: Pre-Post Hidden Alignment for Multi-Task Speech Model Distillation with Rapid Convergence Jiacheng Dong, Changzeng Fu, Jiadong Wang	ICASSP 2026 (Under Review)
2. The First MPDD Challenge: Multimodal Personality-aware Depression Detection [Link] Changzeng Fu, Zelin Fu, Xinhe Kuang, Jiacheng Dong, et al.	ACM MM 2025
3. HGF-MiLaG: Hierarchical Graph Fusion for Emotion Recognition in Conversation with Mid-Late Gender-Aware Strategy [Link] [Code] Y Wang, R Hao, Z Li, X Kuang, J Dong, et al.	Sensors

PROJECT EXPERIENCE

Robotics Institute — University of Technology Sydney	Jul 2025 - Present
• Built Isaac Sim environments mirroring Unitree Go2 sensors and trained DRL navigation & obstacle-avoidance policies and sim-to-real evaluation. Tech: Isaac Sim, Isaac Lab, ROS2	
Upwork @ UTS — LLM Engineer	May 2025 - Present
• Designed an LLM fine-tuning workflow from user search trails to predict next filtering actions and improve recommendation relevance. Tech: Python, PyTorch, Docker, Airflow, PostgreSQL	
RoboMaster Lab — Northeastern University, China	Sep 2023 - Jun 2024
• Deployed YOLOv5 detector on NVIDIA Orin with high-FPS tracking for real-time targeting. • Mecanum Robot: Integrated embedded modules; enabled host-device communication Tech: C++, ROS, Jetson/Orin, CUDA, YOLOv5	
HACI Lab — Northeastern University, China	Sep 2022 - Jun 2024
• Multimodal Emotion Analysis for HRI: real-time EEG-image-audio ingestion, fusion, and inference; full-stack web app for data collection, annotation, and visualization. • MPDD @ ACM MM 2025: built the competition website and backend; implemented evaluation pipeline, ranking logic, and participant scoring/leaderboard. Tech: FastAPI, React/TypeScript, Nginx, Full-Stack Development	