



# JIACHENG DONG

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## EDUCATION

<b>University of Technology, Sydney (UTS)</b>	Aug 2024- Present
B.S in Software Engineering with Honours   GPA: 90.3/100	
<b>Northeastern University, China (NEU)</b>	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 AAAI, 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 <b>Jiacheng Dong</b> , Changzeng Fu, Jiadong Wang	ICASSP 2026 (Under Review)
2. The First MPDD Challenge: Multimodal Personality-aware Depression Detection [ <a href="#">Link</a> ] Changzeng Fu, Zelin Fu, Xinhe Kuang, <b>Jiacheng Dong</b> , et al.	ACM MM 2025
3. HGF-MiLaG: Hierarchical Graph Fusion for Emotion Recognition in Conversation with Mid-Late Gender-Aware Strategy [ <a href="#">Link</a> ] [ <a href="#">Code</a> ] Y Wang, R Hao, Z Li, X Kuang, <b>J Dong</b> , et al.	Sensors

## PROJECT EXPERIENCE

<b>Robotics Institute — University of Technology Sydney</b>	Jan 2025 - Present
• Built Isaac Sim environments mirroring Unitree Go2 sensors and trained DRL navigation & obstacle-avoidance policies and sim-to-real evaluation.	
<b>Tech:</b> Isaac Sim, Isaac Lab, ROS2	
<b>Upwork @ UTS — LLM Engineer</b>	May 2025 - Present
• Designed an LLM fine-tuning workflow from user search trails to predict next filtering actions and improve recommendation relevance.	
<b>Tech:</b> Python, PyTorch, Docker, Airflow, PostgreSQL	
<b>RoboMaster Lab — Northeastern University, China</b>	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	
<b>Tech:</b> C++, ROS, Jetson/Orin, CUDA, YOLOv5	
<b>HACI Lab — Northeastern University, China</b>	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.	
<b>Tech:</b> FastAPI, React/TypeScript, Nginx, Full-Stack Development	