



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

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|---|-------------------------------|
| 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

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| Robotics Institute — University of Technology Sydney | Jan 2025 - Present |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• 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 | |