



JIACHENG DONG

Phone: +61 468948977
 Email: jiacheng.dong@student.uts.edu.au
 Website [MyWebsite](#)
 Github: [MyGithub](#)
 Google Scholar: [MyGoogleScholar](#)

EDUCATION

University of Technology, Sydney (UTS)	(Dual-Degree) Aug 2024- Present
B.S in Software Engineering (Honours) GPA: 90.9/100	
Northeastern University, China (NEU)	Sep 2022 - Present
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 Third Prize – 23rd National RoboMaster Super Combat (2024)

PATENTS

- Multi-Event, Multi-Task Emotion State Evaluation — CN App. 202510123241.3; grant notice 2025-10-28.
- Real-Time Multi-Modal Mental-Health Analysis (AI-based) — CN App. 202411150269.8; grant notice 2025-10-28.
- LLM-Based Traditional Chinese Medicine Diagnostic System — CN App. 202411150279.1; grant notice 2025-12-16.

PUBLICATIONS

1. PPHA: Pre-Post Hidden Alignment for Multi-Task Speech Model Distillation with Rapid Convergence ICASSP 2026
(Under Review)
Jiacheng Dong, Changzeng Fu, Jiadong Wang
2. FilterRec: An Intent-Aware Framework for Dynamic Filter Recommendation [\[Link\]](#) WWW 2026
Dingxian Wang, **Jiacheng Dong**, et al.
3. The First MPDD Challenge: Multimodal Personality-aware Depression Detection [\[Link\]](#) ACM MM 2025
Changzeng Fu, Zelin Fu, Xinhe Kuang, **Jiacheng Dong**, et al.

PROJECT EXPERIENCE

- X-Lab — Shanghai AgiBot Innovation Technology Co., Ltd.** Dec 2025 - Present
- Build and refactor an end-to-end, four-stage decoupled motion retargeting pipeline, and validate Sim2Sim and Sim2Real transfer on the AGIBOT X2 humanoid robot.
- Tech:** Motion Retargeting, Video Retargeting, Imitation Learning
- Robotics Institute — University of Technology Sydney** Aug 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, Reinforcement Learning
- Upwork — University of Technology Sydney** May 2025 - Dec 2025
- 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
- HACI Lab — Northeastern University, China** Jan 2024 - Jul 2025
- Lead multiple HRI and affective computing projects, resulting in three patents.
 - Build the MPDD @ ACM MM 2025 competition website and implement the evaluation pipeline.
- Tech:** FastAPI, React/TypeScript, Nginx, Full-Stack Development
- 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