Guangyue Liu

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EDUCATION & LANGUAGES

Huazhong University of Science and Technology **Sep 2024 – Present**

School of Computer Science and Technology · Undergraduate, Data Science and Big Data Technology

Academic record: GPA **4.24/5.0**, **top 15%**; sophomore spring weighted average **91.8/100** (spring 2026).

English: CET-6 **666** (Listening 249, Reading 235, Writing & Translation 182); CET-4/CET-6 Speaking: Excellent.

TOEFL iBT **98/120** (Reading 23, Listening 27, Speaking 24, Writing 24; Aug 2025).

Selected coursework: Machine Learning **94**; Database Systems Practice **96**; Big Data Analysis Lab **96** (out of 100).

RESEARCH & MANUSCRIPTS

ONE Lab · HUST **Spring 2025 – Present**

Two co-first-author manuscripts under review at ICLR 2027

DIVE: Benchmarking Full-Duplex Interaction with Visual Engagement in Continuous Streams

Yuhang Chen*, **Guangyue Liu***, Shilong Liu[†]

Co-first author (*) · Under review at ICLR 2027 | arXiv:2610.28405

- **Key outcomes:** A benchmark for real-time, full-duplex multimodal interaction in continuous audio-video streams, with **525 evaluation instances across 6 tasks**. It covers proactive intervention, continuous engagement and interaction coordination, assessing response quality, participation decisions and response timing.

MOSAIC: Multi-Policy Sampling and Collaborative Test-Time Adaptation for Vision-Language-Action Models

Yuhang Chen*, **Guangyue Liu***, Yinchen Tian, Jialin Liu

Co-first author (*) · Under review at ICLR 2027

- **Key outcomes:** A collaborative test-time adaptation framework for vision-language-action (VLA) models. Multi-policy sampling, Cross-Policy Action Distillation (CAD) and Within-Policy Trajectory Consolidation (WTC) enable knowledge transfer and self-improvement using deployment-time interaction trajectories. Across **4 robotic manipulation benchmarks**, mean success rates improve from **57.56% to 60.60%** for CAD and **56.00% to 58.91%** for WTC.

PROJECT & ENTREPRENEURSHIP

AIGC Contextual Vocabulary Learning · Remote **Winter 2026**

Project Co-founder · Collaborated with a **former ByteDance technical mentor** · Prototyping & User Evaluation

- **End-to-end user evaluation:** Established a **6-dimension** evaluation rubric and Feishu reporting forms; recruited **5 external testers** and coordinated task briefings, progress tracking and review. Delivered **192 image–text ratings** covering CET-4, CET-6, postgraduate entrance exams and study-abroad vocabulary.
- **Problem analysis & product judgment:** Addressed inconsistent AIGC image quality by defining **13 quality-issue categories** and assessing trade-offs such as visual complexity versus cognitive load. Translated subjective feedback into technical improvements; the final version achieved **6.67% higher overall ratings** and **7.64% higher image–text alignment**.
- **Software development:** Assessed user needs and technical feasibility for contextual vocabulary learning; used Claude Code-assisted development to deliver a runnable terminal prototype.

HONORS & SKILLS

Honors: Academic Excellence Scholarship; Academic Progress Scholarship (2026); National Second Prize, National English Competition for College Students.

Technical skills: Python, C, SQL; data analysis and databases; foundational product analysis.

Research practice: Engineering implementation, benchmark construction, prompt design, quantitative and qualitative analysis, and academic writing.

Personal strengths: Communication, a strong sense of responsibility and leadership.

INTERNSHIP INTERESTS

Big data: Data Analyst; Data Mining.

Quantitative finance: Data Analyst; Quantitative Developer; AI Quantitative Researcher.

Other: Product Management (PM).