Jiale **Zhao**

LLM Algorithm Intern

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Personal Profile

I am a Computer Science B.Eng. student (2025) at Chongqing Univ. of Posts and Telecommunications and an LLM algorithm intern at Li Auto. I currently work on rubric-based RLVR and "Enabling LLM to Ask" with Prof. Lu Cheng (UIC).

My interests include **human-centered HCI**, **agentic/multi-step reasoning**, **interpretability/controllability**, **self-evolving systems**, and **multimodal pipelines**.

Education

B.Eng., Computer Science

Chongqing, China

Chongqing Univ. of Posts and Telecommunications

2021 – 2025

Publications (Under Review)

- **ThinkPilot: Steering Reasoning Models via Automated Think-prefixes Optimization** (co-first; AACL 2025 via ARR)
- **Decoding the Ear: Objectifying Expressiveness from Human Preference Through Efficient Alignment** (third; ICASSP under review)
- **Breaking the Exploration Bottleneck: Rubric-Scaffolded RL for General LLM Reasoning** (sixth; ICLR under review)

Ongoing Work

- **Enabling LLM to Ask** — first-author work analyzing three failure modes (missing/ambiguous intent, overconfident queries, forced answers), building askBench, and training with RLVR to elicit clarifying questions while retaining base skills (with Prof. Lu Cheng, UIC)
- **RubricsHub** — Meta-Rubric criteria plus automated generate-evaluate-feedback loop to build high-quality, domain-general rubrics compiled into executable graders for SFT filtering, DPO pair building, and RL reward modeling (Li Auto)

Experience

LLM Algorithm Intern

Li Auto, Beijing

- **Data Flywheel for Code LLM** — evaluation-centric loop (SFT ⟶ evaluate ⟶ data build ⟶ filtering ⟶ back to SFT) to continually raise coding capabilities.
  - Evaluation-first: standardized harnesses and rubrics so harder tasks surface real capability instead of being bottlenecked by today's noisy, underspecified eval.
  - Linked loops: evaluation feedback drives tougher data construction; the same tooling filters/repairs low-quality samples before feeding them back into SFT.
- **Multi-step Reasoning + Tool Invocation Agent** — code-LLM agent that plans, writes code, and executes tool calls for precise answers.
  - Multi-step reasoning: decomposes complex or debugging asks into structured plans so context is stitched into a single executable query.
  - Tool grounding: integrates code execution and API/function calls for live data or environment actions when pretrained knowledge falls short.
- **MindGPTo (GPT-4o-style multimodal app)** — end-to-end audio + vision system with paralinguistic control, built from scratch with modular FE/BE interfaces.
  - Mode coverage: supports audio⟶ASR⟶LLM⟶TTS, audio2text⟶TTS, audio2audio, and multimodal audio+image+video⟶text⟶TTS workflows.
  - Paralinguistic SFT: audio data pipelines expand beyond laughter/pause to age, gender, compound emotions, emotional actions, and ambient sounds.

Sep 2023 – present