

# Jiale Zhao

LLM Algorithm Intern

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## Personal Profile

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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 LLM clarification (AskBench) with Prof. Lu Cheng (UIC).

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

## Education

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<b>B.Eng., Computer Science</b>	<i>Chongqing, China</i>
Chongqing Univ. of Posts and Telecommunications	2021 – 2025

## Publications (Under Review)

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- **When and What to Ask: AskBench and Rubric-Guided RLVR for LLM Clarification** (first; under review, ACL; PDF: <https://arxiv.org/pdf/2602.11199v1.pdf>; arXiv: <https://arxiv.org/abs/2602.11199>)
- **RubricHub: A Comprehensive and Highly Discriminative Rubric Dataset via Automated Coarse-to-Fine Generation** (second; under review, ACL; PDF: [rubrichub.pdf](#); arXiv: <https://arxiv.org/abs/2601.08430>)

## Ongoing Work

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- **ProcessRubrics** (first; Li Auto) — a process-level rubric learning framework for improving structured reasoning quality through finer-grained supervision.
- **Learning Persona as Behavior** (second; collaboration with Prof. Lu Cheng, UIC) — a behavior-oriented persona learning study aimed at improving persona consistency with robust cross-domain generalization.

## Experience

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<b>LLM Algorithm Intern</b>	<i>Li Auto, Beijing</i>
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- **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

## Manuscripts for Resubmission

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- **ThinkPilot: Steering Reasoning Models via Automated Think-prefixes Optimization** (co-first; awaiting resubmission)

- **Decoding the Ear: Objectifying Expressiveness from Human Preference Through Efficient Alignment** (third; awaiting resubmission)
- **Breaking the Exploration Bottleneck: Rubric-Scaffolded RL for General LLM Reasoning** (sixth; awaiting resubmission)