ZhiZhou Wang

王知舟

13913097432
jenojeff66@gmail.com
https://jeffjeno.cn
https://github.com/Jeffjeno
WeChat: 13913097432

Education

2023–2027 **B.Eng. in Artificial Intelligence**, *Southwest Jiaotong University*, Chengdu, China

- GPA: 3.84/4.0
- Rank: Top 2%
- Key coursework: Probability and Mathematical Statistics (A+), Advanced Mathematics/Calculus (A+), Linear Algebra (A+), Discrete Mathematics (A+), Mathematical Foundations of Artificial Intelligence (A+)

Skills

Proficient PyTorch, SQL, Linux, Docker, Git, LaTeX

Expertise Asynchronous programming; LLM fine-tuning (SFT, DPO)

Languages CET-6: 545; IELTS: 6.5

Experience

Apr 2024–Present **Research Intern | Agent Group**, *THUNLP Lab, Tsinghua University*

- **Scaling Agent Training With Generative Executable Verifiers (Core Contributor)**
  - Proposed the **Generative Executable Verifiers** paradigm, where LLMs generate executable verifiers.
  - Designed a three-stage pipeline: "cold-start sampling → verifier iteration → rejection sampling" to address data scalability.
  - After training, Qwen3-4B outperformed Llama-3-70B-Instruct on AppWorld, and achieved substantial gains on benchmarks such as NL2Bash and AgentBench-OS.
- **Reward Agent: Enhancing Reward Modeling for Computer Use (Ongoing)**
  - Formulated the partial observability issue of reward models in Computer Use settings.
  - Proposed the Reward Agent framework to improve robustness by completing missing environment state information.

Projects

ICASSP 2026 **Superpixel-informed Continuous Low-Rank Tensor Representation for Multi-Dimensional Data Recovery**, *Accepted*, First Author

- Proposed a semantics-aware, superpixel-informed continuous tensor recovery method.
- Addressed the failure of global low-rank assumptions on spatially heterogeneous data, achieving more robust recovery.
- High accuracy with strong efficiency and low memory: peak memory < 40MB; 0.85M parameters.
- Achieved SOTA performance across multiple scenarios (+3~5 dB).

Honors

National Scholarship

Outstanding Student (University-level) — Model Student

First-class Undergraduate Scholarship

Competitions

2024 The 16th Lanqiao Cup National Software and IT Talent Competition (Sichuan Region) — Java Software Development, Group A (Undergraduate): Provincial Second Prize