FENG, ZHAOPENG

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EDUCATION

Zhejiang University, China   *Sep 2023 - Mar 2026*
- Advisor: Prof. Zuozhu Liu
- M.S. in Computer Technology, GPA: 3.74/4

Harbin Institute of Technology, Shenzhen Campus, China   *Aug 2019 - Jul 2023*
- B.E. in Automation, GPA: 3.72/4
- Scholarship for Outstanding Students *First Prize (Top 3%)*

SELF-EVALUATION

- I am highly self-motivated with a strong capacity for continuous learning, excellent communication and collaboration skills, and solid practical engineering abilities.

- My future research interests involve reinforcement learning and multimodality. My current view on the development of LLMs is: Frameworks > Models. I aspire to produce work that is more universal and impactful, and I am confident in my ability to do so.

SELECTED PUBLICATIONS

- **Zhaopeng Feng***, Jiayuan Su*, Jiamei Zheng, Jiahan Ren, Yan Zhang, Jian Wu, Hongwei Wang, Zuozhu Liu, "M-MAD: Multidimensional Multi-Agent Debate for Advanced Machine Translation Evaluation", *ACL 2025 main.*

- **Zhaopeng Feng***, Ruizhe Chen*, Yan Zhang, Zijie Meng, Zuozhu Liu, "Ladder: A Model-Agnostic Framework Boosting LLM-based Machine Translation to the Next Level" *EMNLP 2024 main.*

- **Zhaopeng Feng***, Yan Zhang*, Hao Li, Wenqiang Liu, Jun Lang, Yang Feng, Jian Wu, Zuozhu Liu, "TEaR: Improving LLM-based Machine Translation with Systematic Self-Refinement", *NAACL 2025 Findings.* (*Github 40+ stars*)**,** Similar and Recognized by Andrew Ng's translation-agent.

- Yan Zhang*, **Zhaopeng Feng***, Zhiyang Teng, Zuozhu Liu, Haizhou Li, "How Well Do Text Embedding Models Understand Syntax?", *EMNLP 2023 Findings*.

PRE-PRINT

- **Zhaopeng Feng,** Shaosheng Cao, Jiahan Ren, et al. "MT-R1-Zero: Advancing LLM-based Machine Translation via R1-Zero-like Reinforcement Learning". (*Github 50+ stars*)

- **Zhaopeng Feng***, Yupu Liang*, Shaosheng Cao, et al. "MT³: Scaling MLLM-based Text Image Machine Translation via Multi-Task Reinforcement Learning".

- **Zhaopeng Feng***, Jiahan Ren*, Jiayuan Su, et al. "MT-RewardTree: A Comprehensive Framework for Advancing LLM-Based Machine Translation via Reward Modeling".

- Jiayuan Su*, Fulin Lin*, **Zhaopeng Feng***, et al. "CP-Router: An Uncertainty-Aware Router Between LLM and LRM".

INTERNSHIPS

Xiaohongshu (Rednote), LLM Post-train   *Mar 2025 - Jun 2025*
Advisor: Shaosheng Cao
- Investigated the application of cutting-edge reinforcement learning paradigms, such as R1-Zero, to both plain text and multimodal image-text machine translation tasks.
- The work aimed to improve the model's translation reasoning and multi-skill synergy from end to end by designing refined hybrid reward mechanisms and optimization algorithms.

Alibaba, Quark Foundation Model RLHF   *Nov 2024 - Mar 2025*
Advisor: Yu Cao
- Explored the impact of a two-stage training paradigm on activating a model's self-reflection capabilities.
- Researched how synthetic data (self-inspiration vs. distillation) affects the initial and subsequent reinforcement learning (RL) training for a model's mathematical reasoning abilities.