**FENG, ZHAOPENG**

* 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.

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**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.

**PRE-PRINT**

* **Zhaopeng Feng,** Shaosheng Cao, Jiahan Ren, et al. **“**[MT-R1-Zero: Advancing LLM-based Machine Translation via R1-Zero-like Reinforcement Learning](https://arxiv.org/pdf/2504.10160)**”. (*[Github 50+ stars](https://github.com/fzp0424/MT-R1-Zero)*)**
* **Zhaopeng Feng\*,** Yupu Liang**\***, Shaosheng Cao, et al. **“**[MT3: Scaling MLLM-based Text Image Machine Translation via Multi-Task Reinforcement Learning](https://arxiv.org/pdf/2505.19714)**”.**
* **Zhaopeng Feng\*,** Jiahan Ren\*, Jiayuan Su, et al. “[MT-RewardTree: A Comprehensive Framework for Advancing LLM-Based Machine Translation via Reward Modeling](https://arxiv.org/pdf/2503.12123)”.
* Jiayuan Su\*, Fulin Lin\*, **Zhaopeng Feng\***, et al. “[CP-Router: An Uncertainty-Aware Router Between LLM and LRM](https://arxiv.org/pdf/2505.19970)”*.*
* **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](https://arxiv.org/abs/2412.20127)”, ***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](https://arxiv.org/abs/2406.15741)” ***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](https://arxiv.org/abs/2402.16379)”, ***NAACL 2025 Findings.* (*[Github 40+ stars](https://github.com/fzp0424/self_correct_mt)*),** Similar and Recognized by Andrew Ng’s [translation-agent](https://github.com/andrewyng/translation-agent/issues/27).
* Yan Zhang\*, **Zhaopeng Feng\***, Zhiyang Teng, Zuozhu Liu, Haizhou Li, “[How Well Do Text Embedding Models Understand Syntax?](https://aclanthology.org/2023.findings-emnlp.650/)”, ***EMNLP 2023 Findings****.*

**SELECTED PUBLICATIONS**

**SELF-EVALUATION**

**Zhejiang University,** China *Sep 2023 - Mar 2026*

* Advisor: Prof. [Zuozhu Liu](https://person.zju.edu.cn/en/lzz)
* 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%)*

**EDUCATION**