Runjia Zeng

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Education

Rochester Institute of Technology Aug 2024 - Jan 2027 (Anticipated)
Ph.D. Candidate in Electrical and Computer Engineering

Guangdong University of Technology [Honor Program] Sep 2020 - Jun 2024
*B. Eng. in Computer Science and Technology (Accumulate Score Average: **93.01 / 100.00**)*

Research Interests

Efficient LLMs | Agentic AI | LLMs Adaptation | LLMs Training | Reasoning | RL

Internship Experience

Oracle May 2026 – Aug 2026
Applied Scientist Intern — https://www.oracle.com/apac/application-development/code-assist/

- Improving the generalization of machine learning engineering agents on DS-Bench and MLE-Bench.
- Achieved SOTA performance on DS-Bench using ChatGPT 5.5, increasing average RPG from 43% to 62%.
- Applied GEPA to enable prompt self-evolution for MLE agents.

Publications

- [NeurIPS 2026] **On the Token Value Inequality in Efficient Reasoning**
  Post Training | Efficient LLMs | Reasoning | RL
  Runjia Zeng, Hang Hua, Yiyang Liu, Zhiqiang Tao, Ruixiang Tang, Qifan Wang, Cheng Han, Dongfang Liu

- [EACL under review] **Beyond Next-Token Prediction: Diffusion vs. Autoregressive Reasoning in LLMs**
  Xiang Zhang, Yiyang Liu, **Runjia Zeng**, Siyuan Qi, Qifan Wang, Dongfang Liu, Cheng Han

- [Arxiv] **Q-Bridge: Code Translation for Quantum Machine Learning via LLMs**
  Code Translation | LLMs | Agentic AI
  Runjia Zeng, Priyabrata Senapati, Ruixiang Tang, Dongfang Liu, Qiang Guan

- [ICLR 2026] **TokenSeek: Memory Efficient Fine Tuning via Instance-Aware Token Ditching**
  Instruction Tuning | Efficient LLMs | LLMs Training
  Runjia Zeng, Zhenting Wang, Qifan Wang, Qiang Guan, Ruixiang Tang, Lifu Huang, Xueling Zhang, Cheng Han, Dongfang Liu

- [NeurIPS 2025] **Probabilistic Token Alignment for Large Language Model Fusion**
  Pre Training | Efficient LLMs | LLMs Training
  Runjia Zeng, James Chenhao Liang, Cheng Han, Zhiwen Cao, Jiahao Liu, Xiaojun Quan, Yingjie Victor Chen, Lifu Huang, Tong Geng, Qifan Wang, Dongfang Liu

- [EMNLP 2025] **MEPT: Mixture of Experts Prompt Tuning as a Manifold Mapper**
  Fine Tuning | Efficient LLMs | LLMs Adaptation
  Runjia Zeng, Guangyan Sun, Qifan Wang, Tong Geng, Sohail Dianat, Xiaotian Han, Raghuveer Rao, Xueling Zhang, Cheng Han, Lifu Huang, Dongfang Liu

- [NeurIPS 2024] **Visual Fourier Prompt Tuning**
  Fine Tuning | CV | LLMs Adaptation
  Runjia Zeng, Cheng Han, Qifan Wang, Chunshu Wu, Tong Geng, Lifu Huang, Ying Nian Wu, Dongfang Liu.

Services

Reviewer for NeurIPS, ICML, ICLR, AAAI, IJCV, TCSVT, MTA.

2026 ICML Gold Reviewer.