Jiancheng Dong

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🎓 Education

Nanjing University, Nanjing, China   2021 – Present

B.S. in Artificial Intelligence
- **GPA:** 4.30/5.00 (86/100)
- **A+ Courses:** Computer Systems, Introduction to Artificial Intelligence, Programming Training, Knowledge Representation and Processing, Distributed and Parallel Processing, Natural Language Processing

📄 Working Paper

[1] **Jiancheng Dong**, Lei Jiang, Wei Jin, Lu Cheng, *Threshold Filtering Packing for Supervised Fine-Tuning: Training Related Samples within Packs*, in submission, Conference of the North American Chapter of the Association for Computational Linguistics (**NAACL**) 2025. [paper]

👥 Experience

University of Illinois Chicago, Responsible and Reliable AI Lab   3/2024 – 9/2024

Research Assistant   Advisor: Prof. Lu Cheng and Prof. Wei Jin

Threshold Filtering Packing for Supervised Fine-Tuning: Training Related Samples within Packs.
- Developed a method to concatenate data points of varying lengths for optimized GPU processing while selecting samples with related context and maintaining sufficient diversity within each pack, effectively preventing sequence cross-contamination.
- Overcame the limitations of mainstream SFT approaches by ensuring each token focuses on its own sequence while enhancing learning from preceding context effectively.

Nanjing University, Natural Language Processing Group   4/2023 – 1/2024

Undergraduate Researcher   Advisor: Prof. Xinyu Dai & Prof. Zhen

I conducted research on the following two projects:
- Data Selection for Instruction Tuning
- Multi-CoT Learning Based on VAE & Leveraging Negative Samples to Enhance CoT Learning

HKU IDS Summer Camp   7/2023 – 9/2023

Undergraduate Researcher   Advisor: Prof.Yi Ma

2022 Nanjing University NLP Summer Camp   7/2022 – 9/2022

Undergraduate Researcher   Advisor: Prof. Shujian Huang

♡ Honors and Awards

Outstanding Student Leader of Nanjing University	May 2022
People's Scholarship (Science Innovation Award)	December 2022
First Prize in E Fund Management Co., Ltd. 'AI+' Competition	October 2023
Patent: LLM Knowledge Service Retrieval and Management System	October 2023
People's Scholarship (Second Prize)	December 2023
International College Students' Innovation Competition Finals	December 2023

⚙ Skills

- Programming: Python (PyTorch), C/C++, Bash, LaTeX, Java, Javascript, MatLab