JIANCHENG DONG

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🎓 EDUCATION

Nanjing University, Nanjing, China   2021 – Present

B.S. in Artificial Intelligence

- **GPA:** 4.3/5.0 (86/100)
- **A+ Courses:** Computer Systems, Introduction to Artificial Intelligence, Programming Training, Knowledge Representation and Processing, Distributed and Parallel Processing, Natural Language Processing

📄 PUBLICATIONS

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

[2] Lei Jiang, Guangliang Liu, **Jiancheng Dong**, Lu Cheng, *Enhancing the Language Modeling Ability for Gender Bias Mitigation via Context-aware Counterfactual Data Augmentation*, in submission, the Pacific-Asia Conference on Knowledge Discovery and Data Mining (**PAKDD**) 2025.

👥 EXPERIENCE

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

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

- Developed the Threshold Filtering Packing (TFP) method to reduce sequence cross-contamination, enhancing contextual learning and improving the utilization of training data.
- Explored how optimizing data within packs can mitigate imbalanced data distribution across different demographic groups, thereby reducing the risk of amplifying biases during supervised fine-tuning.

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

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

Explored data selection strategies for instruction tuning, aiming to optimize sample relevance and diversity while conducting preliminary experiments to identify methods for improving data efficiency.

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

Fine-tuned CLIP for Image Captioning on human feedback datasets to enhance visual-text alignment.

♡ HONORS AND AWARDS

The School of Artificial Intelligence Scholarship for the 2024 Academic Year (4/413)	March 2025
Outstanding Student Leader of Nanjing University	May 2022
First Prize in E Fund Management Co., Ltd. 'AI+' Competition	Oct 2023
People's Scholarship	Dec 2023
International College Students' Innovation Competition Finals	Dec 2023
Patent: LLM Knowledge Service Retrieval and Management System	Jan 2024

⚙ SKILLS

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