Hankun Lin

linhk@smail.nju.edu.cn lhk2004.github.io

EDUCATION

Nanjing University **Nanjing, Jiangsu, China**

B.Sc. Computer Science and Technology *2022.9 -*

- GPA: $4.36/5.0$, Renmin Scholarship
- Major Courses: *Computer Vision - Representation and Recognition* $(96/100)$, *LLM Application Development* $(95/100)$, *Introduction to Machine Learning* $(93/100)$, *Advanced Machine Learning* $(93/100)$, *Advances in Machine Learning* $(93/100)$, *Matrix Computation* $(93/100)$, *Probability Theory and Mathematical Statistics* $(92/100)$, *Introduction to Computer Systems* $(90/100)$.

University of California, Berkeley **Berkeley, CA, USA**

Berkeley International Study Program *2025.1 - 2025.5*

- GPA: $3.92/4.0$
- Major Courses: *CS61A - The Structure and Interpretation of Computer Programs* $(A+$, top $4.2\%)$, *CS188 - Introduction to Artificial Intelligence* $(A+$, top $6.3\%)$

PUBLICATIONS

Understanding LLMs' Cross-Lingual Context Retrieval: How Good It Is And Where It Comes From.
Changjiang Gao, **Hankun Lin**, Shujian Huang, Xin Huang, Xue Han, Junlan Feng, Chao Deng, Jiajun Chen.
In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*. Suzhou, China. November 2025.

RESEARCH EXPERIENCE

Nanjing University

Research Intern at the Natural Language Processing Group *2024.3 - 2025.2*

- Evaluating and interpreting the Cross-lingual Machine Reading Comprehension (xMRC) ability of LLMs with *Ph.D. Student Changjiang Gao* and *Prof. Shujian Huang*, using advanced analysis techniques such as layer-wise attribution and hidden-states similarity measurements.

Purdue University

Research Intern at RZ-Lab *2025.3 -*

- Applying gradient-based discrete sampling method to inference-time alignment of LLMs, with *Prof. Ruqi Zhang*.
- Investigating novel techniques for accelerating LLM decoding, focusing on hybrid encoder-decoder architectures with adaptive encoder scheduling, with *Ph.D. Student Patrick Pynadath*.

PROJECTS

- **MindMates**: Bidirectional Multi-agent Framework for Mental Health Therapy. GitHub
- Building the architecture of a LLaMA-3.2-1b-Instruct model **from scratch**. GitHub
- Implementation of a **push-down automata** simulator and a **turing machine** simulator, using C++. GitHub
- Reproduction of a bestselling Steam game ***Shapez***, using C++ and Qt graphics libraries. GitHub