Hankun Lin

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EDUCATION

Nanjing University   **Nanjing, Jiangsu, China**
B.Sc. Computer Science and Technology   *2022.9 -*

- GPA: 4.31/5.0, 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+), *CS188 - Introduction to Artificial Intelligence* (A+)

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.
Preprint 2025.

RESEARCH EXPERIENCE

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

- Basic NLP course learning under the guidance of *Prof. Shujian Huang*.
- Evaluation and interpretation of the Cross-lingual Machine Reading Comprehension (xMRC) ability of LLMs with *Ph.D. Student Changjiang Gao*. Research results are submitted to a top conference and currently under review.

Purdue University
Research Intern at RZ Lab led by Prof. Ruqi Zhang   *2025.3 -*

- Applying gradient-based discrete sampling method to LLM decoding-time alignment.

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