

LingJie Chen

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EDUCATION

Fudan University

Bachelor of Science in Data Science

Shanghai, China

September 2021 - June 2025

- GPA: 3.72 / 4.0 (Top 5)
- Core Course: Advanced Algebra, Machine Learning, Stochastic Process

RESEARCH INTEREST

- **Natural Language Processing, Large Language Models and Machine Learning.**

RESEARCH EXPERIENCE

BERT-Based QA Task Improvement

- Executed QA tasks using BERT, enhancing model accuracy.
- Refined and reformatted datasets with Python, ensuring data integrity and usability.
- Developed a BERT-centric model architecture in PyTorch, leading to a 6% increase in SOTA performance for smaller models, nearing the efficacy of renowned Chinese-based models (Qwen, Baichuan).
- Conducted ablation studies to evaluate critical components and identify optimal BERT models for task-specific applications.
- Writing essay in ACL's format

Large Language Model Evaluation for Understanding Puns

- Deployed and optimized various prominent open-source LLMs (e.g., vLLM, Fastchat) on servers for enhanced efficiency.
- Engineered and implemented a testing framework to experimentally assess LLMs' understanding of puns.
- Applied statistical methods to analyze results, quantifying model comprehension while eliminating biases.
- Improved prompt finetuning, boosting SOTA performance metrics from 72% to 83%.

TECHNICAL SKILLS

- Proficient in Python, C++. Familiar with Linux and Microsoft Office
- Rich experience in ML related packages and PyTorch
- Rich experience in LLM deployment and experiments
- Solid foundation in Statistics and Algebra
- Familiar with essay writing and Latex formatting

ACADEMIC ACTIVITIES

University of California, Berkeley

Statistics

California, USA

August 2023 - January 2024

- GPA: 3.93 / 4.0
- Core Course: Natural Language Processing, Reinforcement Learning, Time Series

SELECTED HONORS AND AWARD

- School of Data Science - Model Student.
- Fudan University's Scholarship (Multiple times).
- National Undergraduate Mathematics Competition - Third Prize.
- Sou-Bin Scholarship (Multiple times).
- Shanghai English Speech Competition - First Prize.

LANGUAGE SKILLS

- Fluent oral English and excellent writing skills.
- CET-4/CET-6: Excellent.
- IELTS: 8.0 (Listening: 9.0, Reading: 9.0, Writing: 7.5, Speaking: 7.0).
- TOEFL: 109 (Listening: 30, Reading: 30, Writing: 21, Speaking: 28).

ADDITIONAL

- Hobby: Running, Photography, Basketball.