# Pengshuo Qiu

Sendai, Japan — qiu.pengshuo.t5@dc.tohoku.ac.jp — +8109086681741 — https://prnszz.github.io

## EDUCATION

**Bachelor of Science in Educational Psychology**                    Apr 2022 - Feb 2026
Tohoku EduNLP Lab                                                        Tohoku university
Advisor: Yuichiroh Matsubayashi.

## PUBLILCATION/THESIS

Renrui Zhang, Dongzhi Jiang, Yichi Zhang, Haokun Lin, Ziyu Guo, **Pengshuo Qiu**, Aojun Zhou, Pan Lu, Kai-Wei Chang, Peng Gao, Hongsheng Li (2024). MathVerse: Does Your Multi-modal LLM Truly See the Diagrams in Visual Math Problems? arXiv preprint arXiv:2403.14624.

**Pengshuo Qiu**, Frank Rudzicz, Zining Zhu (2024). Scenarios and Approaches for Situated Natural Language Explanations. arXiv preprint arXiv:2406.05035.

Dongzhi Jiang, Renrui Zhang, Ziyu Guo, Yanmin Wu, Jiayi Lei, **Pengshuo Qiu**, Pan Lu, Zehui Chen, Guanglu Song, Peng Gao, Yu Liu, Chunyuan Li, Hongsheng Li (2024). MMSearch: Benchmarking the Potential of Large Models as Multi-modal Search Engines. arXiv preprint arXiv:2409.12959.

## EXPERIENCE

**Internship**                                                       Feb 2025 - Apr 2025
AI Software team                                                             Exawizards
Coming soon

**Internship**                                                               Jan 2025
AI & Machine learning team                                                    M3, Inc.
Xellent: A user-based explanation generator for recommender system powered by LLM.
Design and deploy the service.

**Research Internship**                                              Dec 2023 - Sep 2024
Multimedia Laboratory                                      The Chinese University of Hong Kong
MMSearch: Benchmarking the Potential of Large Models as Multi-modal Search Engines
Collect and clean data.                                             The paper is accepted by ECCV.
MathVerse Does Your Multi-modal LLM Truly See the Diagrams in Visual Math Problems?
Collect and clean data.                                                         Processing

**Research Internship**                                             Jan 2024 - Jul 2024
Explainable and Controllable AI Lab                            Stevens Institute of Technology
Scenarios and Approaches for Situated Natural Language Explanations.
Create the dataset, define the method to evaluate the performance of LLM, and evaluate.
Advising by Zining Zhu

## SKILLS

**Programming Languages**: Python, TypeScript, Go, SQL
**Libraries/Frameworks**:

- **Machine Learning, LLM**: Transformers, Torch, Scikit-learn, Langchain, Dify
- **Data Analysis**: Numpy, Pandas, Matplotlib
- **Frontend**: Nextjs, React
- **Backend**: Postgresql, Gin, Sqlc
- **Tools**: Conda, Docker, Git, VS Code, Vim, GCP

**English**: Fluent
**Japanese**: Fluent
**Chinese**: Native