

# Pengshuo Qiu

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

## EDUCATION

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### Bachelor of Science in Educational Psychology

Apr 2022 - Feb 2026

Tohoku EduNLP Lab

Tohoku university

Advisor: Yuichiroh Matsubayashi.

Researching on a fusion of humanities and information science that aims to explore human intelligence through computational approaches such as artificial intelligence and machine learning, and to apply them to educational fields.

## PUBLICATION

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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.

## ACADEMIC EXPERIENCE

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### Research Internship

Dec 2023 - Mar 2024

Multimedia Laboratory

The Chinese University of Hong Kong

MathVerse Does Your Multi-modal LLM Truly See the Diagrams in Visual Math Problems?

Collect and clean data.

The paper is processing by ECCV.

### Research Internship

Jan 2024 -

Explainable and Controllable AI Lab

Stevens Institute of Technology

Research on Natural Language Explanation.

Create the dataset, define the method to evaluate the performance of LLM, and evaluate.

Advising by Zining Zhu

### Internship

Oct 2022 - Jan 2023

Tohoku Global Learning Center

Tohoku university

Be an advisor of groups in the class "Global Seminar".

### Internship

Jan 2024 - Mar 2024

Frontier Research Institute for Interdisciplinary Sciences

Tohoku university

Manage the website of Yasunori Okamoto's lab.

## AWARDS

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### JASSO Scholarship

2023

Received scholarship from Japan Student Services Organization.

### Tohoku Scholarship

2023

Received scholarship from Tohoku university

### JASSO Scholarship

2022

Received scholarship from Japan Student Services Organization

## OTHER EXPERIENCE

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### Exchange Program

Feb 2023 - Mar 2023

Exchanged at University of York

### Exchange Program

Aug 2022 - Sep 2022

Exchanged at University of California, Davis

## SKILLS

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**Programming:** Copilot, Python

**English:** TOEFL: 98; Speaking:22 (2022)

**Japanese:** Fluent

**Chinese:** Native