

GUANYU JIANG

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Github: <https://github.com/DjangoJungle>

EDUCATION

Zhejiang University (ZJU), College of Computer Science and Technology (CST), Hangzhou
Bachelor's degree in progress *Sep 2022 – Jun 2026 (Expected)*
GPA: 3.72/4.0

The Affiliated High School of SCNU, Guangzhou
High School Diploma *Sep 2019 – Jun 2022*
Outstanding Graduate

RESEARCH INTERESTS

My research focuses on trustworthy machine reasoning with Large Language Models (LLM) and multimodal Large Language Models (MLLM). My work aims to advance these areas:

- Experience utilization for agentic systems.
- Tool-augmented reasoning for foundation models.
- Multimodal information representation (text, tables, images, etc.) for general AI systems.

PUBLICATIONS

Med-Evolve: A Self-Evolving Framework for Retrieval-Augmented Medical Reasoning
Guanyu Jiang, Zhibin Zhang *Under Review at AAAI 2026*

TableCopilot: A Table Assistant Empowered by Natural Language Conditional Table Discovery *Accepted by VLDB 2025*
Lingxi Cui, Guanyu Jiang, Huan Li, Ke Chen, Lidan Shou, Gang Chen

RESEARCH EXPERIENCE

Ren.AI Lab @ Hong Kong University of Science and Technology (HKUST-Ren.AI) May 2025 – Present
Research intern, advised by Prof. Yi R. (May) Fung

- Currently working on improving efficient adaptive reasoning ability of MLLM, under the paradigm of “Thinking with Images”.

Trustworthy Machine Learning and Reasoning Group @ Hong Kong Baptist University (HKBU-TMLR) Nov 2024 – Present
Research intern, advised by Dr. Zhanke Zhou, Dr. Xiao Feng, and Prof. Bo Han

- Currently working on reward modeling and building RL-based optimization algorithm (system) for LLM tool-augmented reasoning.

Sustainable Data Intelligence and Data Systems Research Group @ Zhejiang University (ZJU-SuDIS) May 2024 – Mar 2025
Research intern, advised by Prof. Huan Li, Dr. Lingxi Cui

- Proposed a novel task formulation and developed a state-of-the-art LLM-based algorithm for table discovery.

- This research led to a publication accepted by **VLDB 2025**.

INDUSTRY & PROJECT EXPERIENCE

- Structure-Guided Image Generation (Tencent HunyuanDiT)** Jul 2024 – Oct 2024
Project intern, advised by Researcher Zhimin Li, and Researcher Xinlu Lai
- Enhanced the architecture for structure-guided image generation by introducing a VLM with Control-Net training solution, receiving the **Tencent Outstanding Student Award** for contributions.
- Cloud-on-Cloud Community (National University of Singapore)** Jun 2024 – Jul 2024
Visiting student, Advised by Prof. Richard T.B. Ma
- Developed a meteorological platform on Kubernetes with real-time big data streaming on time series model system, earning **Rank 2** in the workshop.

HONORS & AWARDS

Tencent Outstanding Student from "Xiniu Niao" Scholarship, Tencent	Oct 2024
Second Place, Cloud Computing & Big Data Track, NUS SoC Workshop	Jul 2024
Silver Award, Zhejiang "Internet+" Innovation and Entrepreneurship Competition	Sep 2023
Excellent Student in Innovation and Entrepreneurship, Zhejiang University	Jun 2023
Excellent Student in External Communication, Zhejiang University	Jun 2023

LANGUAGES

English	Fluent (IELTS 7.0)
Cantonese	Conversational
Mandarin	Native

SKILLS

Programming Languages	Python, C/C++, Java, JavaScript
Frameworks & Libraries	SGLang, vLLM, veRL, PyTorch
Developer Tools	Git, Shell, Linux Utilities, Kubernetes, LaTeX

LEADERSHIP & SERVICE

Reviewer of AAAI2026	2025
Deputy Secretary, Youth League Committee of Yunfeng, ZJU	2024 – 2025
2024 - 2025 Member, "Qizhen Wenxue" Talent Researcher Program, ZJU	2024 – 2025
2023 Volunteer, 19th Asian Games in Hangzhou	2023