

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.
- Interleaving reasoning across different modalities (text, tables, images, etc.).

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	<i>Oct 2024</i>
Second Place, Cloud Computing & Big Data Track, NUS SoC Workshop	<i>Jul 2024</i>
Silver Award, Zhejiang "Internet+" Innovation and Entrepreneurship Competition	<i>Sep 2023</i>
Excellent Student in Innovation and Entrepreneurship, Zhejiang University	<i>Jun 2023</i>
Excellent Student in External Communication, Zhejiang University	<i>Jun 2023</i>

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