

# GUANYU JIANG

✉ [django040805@zju.edu.cn](mailto:django040805@zju.edu.cn) · ☎ (+86) 150-132-30805 · 🏠 <https://djangojungle.github.io/>

## 🎓 EDUCATION BACKGROUND

**Zhejiang University**, Zhejiang, Hangzhou 2022.09 – Present  
*Undergraduate* Majoring in Computer Science and Technology, GPA: 3.70/4.0

**The Affiliated High School of SCNU**, Guangdong, Guangzhou 2019.09 – 2022.06  
*High school student* Outstanding Graduate

## 🔬 RESEARCH EXPERIENCE

**Research Intern @ TMLR Group, HKBU** 2024.11 – Present

**Advisor:** Zhanke Zhou & Xiao Feng, PhD students of Prof. Bo Han

- Conduct research on LLM(Large Language Model) reasoning, focusing on **reinforcement learning in the post-training phase of large language models**.
- Aim to design advanced RL algorithms to enhance model reasoning capabilities.

**Research Intern @ SuDIS Lab, ZJU** 2024.05 – 2025.03

**Advisor:** Prof. Huan Li, Professor at College of Computer Science, Zhejiang University

- Investigate Table LLM as the primary research direction.
- Propose a novel table task type and develop a large model based table discovery algorithm on this task, achieving state-of-the-art results compared to previous methods.
- Construct a demo to showcase the solution, with **the paper under submission and code repository to be released later**.

## </> PROJECT EXPERIENCE

**Structure-Guided Image Generation @ HunyuanDiT, Tencent** 2024.07 – 2024.10

**Advisor:** Zhimin Li, Senior Algorithm Researcher at Tencent; Xinlu Lai, Algorithm Researcher at Tencent

- Improve the model and training pipeline for Tencent HunyuanDiT's structured information-guided image generation sub-direction.
- Introduce a VLM(Vision Language Model) annotation + ControlNet training solution to enhance performance in handling structured information.
- Receive the **Tencent Outstanding Student Award** by passing the final review.

**Cloud-on-Cloud Platform @ School of Computing Workshop, NUS** 2024.06 – 2024.07

**Advisor:** Prof. Richard Ma Tianbai, Professor at National University of Singapore

- Aiming at workshop issue: Big Data and Cloud Computing Applications in Real Life.
- Pioneered a creative meteorological community platform, architected on Kubernetes with Kafka-driven real-time data streaming and advanced time-series modeling for precise analytics and Interaction.
- **Rank #2** in the NUS SoC Workshop, Cloud Computing & Big Data track.

## ★ AWARDS

Tencent Outstanding Student, "Xiniu Niao" Project at Tencent 2024.10  
Second Place, Cloud Computing and Big Data track at NUS SoC Workshop 2024.07  
Silver Award, Zhejiang International "Internet+" Innovation and Entrepreneurship Competition 2023.09

Zhejiang University Excellent Student in Innovation and Entrepreneurship  
Zhejiang University Excellent Student in External Communication

2023.06  
2023.06

## LANGUAGES

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- **Mandarin:** Native Speaker
- **Cantonese:** Conversational
- **English:** IELTS 7.0 (Listening: 7.5, Reading: 8.5, Writing: 6.0, Speaking: 6.0)

## SKILLS

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- **Programming Languages:** C/C++, Python, Java, JavaScript
- **Machine Learning Frameworks:** PyTorch, HuggingFace, LangChain, vLLM
- **Tools:** Kubernetes, Git, LaTeX, Jupyter, AWS

## SERVICES

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- Person in charge, Youth League Committee of Yunfeng School in Zhejiang University
- Member, "Qizhen Wenxue" Talent Researcher Program in Zhejiang University
- Volunteer, 19th Asian Games in Hangzhou