

# ZIYANG ZHANG

Phone: +852 84954335 | Email: zhangziyang23123@gmail.com | Website: ziyangzhang.cn

## EDUCATION

- The Hong Kong Polytechnic University** Sep 2025 - Mar 2027  
*Master of Science in Smart Manufacturing* Hong Kong, China
- North China University of Technology** Sep 2020 - Jun 2024  
*Bachelor of Computer Science and Technology (Experimental Class)* Beijing, China
  - GPA: 3.42/4.00

## RESEARCH & WORK EXPERIENCE

- RAIDS(Research Group of AI for Industrial Digital Servitization)** Sep 2025 - Present  
*Research Intern* Hong Kong SAR, China  
Advisors: Dr. Liqiao Xia, Dr. Pai Zheng
- MECH MIND** Mar 2025 - Aug 2025  
*Product Manager | Intern* Beijing, China  
Mentor: Ran Duan
- State Key Laboratory of Information Photonics and Optical Communications, BUPT** Jul 2024 - Jan 2024  
*Project Assistant | Work* Beijing, China  
Advisors: Dr. Xiaosong Yu
- WUTONG BIG DATA, China Mobile Communications Corporation** Jun 2023 - Aug 2023  
*Algorithm Engineer | Undergraduate Researcher* Beijing, China  
Advisors: Dr. Shan Huang, Dr.Sudong Tang, Dr. Nan Chen, Dr. Zhigang Wu
- CNONIX National Standards Application and Promotion Laboratory, NCUT** Mar 2023 - May 2023  
*Guest Student | Undergraduate Researcher* Beijing, China  
Advisors: Prof. Jianyong Duan
- Computer Vision Laboratory, NCUT** Jun 2022 - Jan 2023  
*Guest Student | Undergraduate Researcher* Beijing, China  
Advisors: Dr. Lianjun Liao

## PUBLICATIONS

C=CONFERENCE, J=JOURNAL, S=IN SUBMISSION, T=THESIS

- [C.1] Wang Yiming, **Zhang Ziyang**, Chen Hanwei, Shen Huayi, et al. (2024). **Reasoning with Large Language Models on Graph Tasks: The Influence of Temperature.** In *2024 5th International Conference on Computer Engineering and Application (ICCEA)*, , pp. 630-634, 2024, Hangzhou, China. DOI: 10.1109/ICCEA62105.2024.10603677.
- [J.1] Liu Shilong, Hu Minghao, Liu lin, Wang Yongjie, Wang Ming, **Zhang Ziyang**, Wang Shaohuang, Wu Chenglong, Liu Chang, Wang Jiaxin, Zhao Shike, Xu Xiantao, Luo Wei, Geng Guotong, et al. (2024). **Chinese Safety Alignment and Defense of Large Models via Hybrid Iterative Strategy Optimizatio.** *Journal of Cyber Security, CCFB*, Accept.

## COMPETITION & COURSE PROJECT

- Undergraduate Graduation Design: [Beijing Outstanding Graduation Design]** Mar 2024 - Jun 2024  
*Design and Implementation of a Multimodal Data Annotation Platform*  
Advisors: Dr. Qing Zhang
- Xinghe Generative AI Content Safety Protection Competition: (National Second Place)** Jun 2024 - Aug 2024  
*organized by the Institute of Information Engineering, CAS* [Webpage]
- OSRedM Enhancement of LLM Base Capabilities Competition: (First Round Champion)** Jul 2024 - Sep 2024  
*organized by the CCF & Qiyuan Laboratory* [Webpage]
- Research and Implementation of a Compiler for Industrial Control Scripts:** Jul 2023 - Jul 2024  
*Beijing Academic Innovation and Entrepreneurship* [Webpage]  
Advisors: Dr. Lianjun Liao

## HONORS & AWARDS

- Innovative Practice Scholarship of NCUT** 2021 & 2022
- Beijing Outstanding Graduation Design** 2024
- Beijing College Student Art Exhibition** 2021 & 2022
- Chuanzhi Cup Algorithm Competition** 2020
- Lanqiao Cup Algorithm Competition** 2021 & 2022
- Mathematics Competition of Beijing College Students** 2023

## TECHNICAL SKILLS & INTEREST

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- **Languages:** Mandarin (Native), English (IELTS: 6)
- **Programming:** Fluent in Java, Python; Proficient in C
- **Tools:** Claude Code, CodeX, TensorFlow, PyTorch, Git, Anaconda, Docker, LATEX
- **Systems:** Linux (Ubuntu, CentOS), VMware
- **Database:** SQL Server, MySQL(development and optimization)
- **Web Technologies:** SpringBoot, Vue.js, Flask
- **Interests:** Classical Music, Photograph, Swim