Qunzhong WANG

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Objective

To apply for a summer internship (remote/in person) in 2026.

Education

The Chinese University of Hong Kong — Hong Kong, China
Double Major in Mathematics and Information Engineering — Sep 2023 - Jul 2027 (Exp.)
Overall GPA: 3.927/4.000

University of Washington — Seattle, USA
Exchange Program in Computer Science and Engineering — Sep 2025 - Dec 2025

Research Interests

- **Generative Models**: Visual Language Models, Large Language Models, Video Generation Models,
- **Reinforcement Learning**: Post-Training and Alignment through Reinforcement Learning

Academic Experience

- **Database Research Group, The Chinsese University of Hong Kong** — Hong Kong, China
  Research Assistant, Advised by Prof. Hong Cheng — May 2024 - Sep 2024
  - **Research Focus** : Provided key theoretical proofs using mathematical methods for the popular transfer learning approach, Prompting, in current Graph Neural Networks (GNNs).

- **Multimedia Lab, The Chinsese University of Hong Kong** — Hong Kong, China
  Internship, Advised by Prof. Xiangyu Yue — Jan 2025 - Present
  - **Research Focus**: Study the visual reasoning behavior of Vision-Language Models , particularly Multimodal Large Language Models, and their performance after reinforcement learning.

- **The Alan Turing Institute, The United Kingdom** — Edinburgh, United Kingdom
  Research Assistant, Advised by Prof. Sotirios Sabanis — Jun 2025 - Aug 2025
  - **Research Focus**: Convergence analysis of stochastic algorithms, especially on optimization algorithms and post-training methods for diffusion models and flow matching models.

Industry Experience

- **Kling AI technology Department, Kuaishou Technology** — Shen Zhen, China
  Internship, Worked closely with fellows from MMLab, CUHK. — Jan 2025 - Present
  - **Post-Training of Video Generation Models**: Conducted post-training of flow-matching-based video generation models using reinforcement learning algorithms with verifiable reward functions.
  - **Fine-Tuning of Vision-Language Models**: Applied chain-of-thought reinforcement learning to fine-tune the Qwen2.5 VL model, improving its performance as a video reward model.

Publication & Working Papers

1. Qunzhong Wang*, Xiangguo Sun*, Hong Cheng. **Does Graph Prompt Work? A Data Operation Perspective with Theoretical Analysis**. International Conference on Machine Learning (ICML), 2025. [Paper] [arXiv] [Code]
2. Yilei Jiang*, Yaozhi Zheng*, Yuxuan Wan, Qunzhong Wang, Jiaming Han, Michael R. Lyu, Xiangyu Yue. **ScreenCoder: Advancing Visual-to-Code Generation for Front-End Automation via Modular Multimodal Agents**. Under review ICLR 2026. [Paper] [arXiv] [Code]
3. Qunzhong Wang*, Jie Liu*, Jiajun Liang*, Yilei Jiang, Yuanxing Zhang, Yaozhi Zheng, Xintao Wang, Xiangyu Yue, Jiaheng Liu. **VideoSearch Reasoner: Boosting Multimodal Reward Models through Thinking-with-Image Reasoning**. Under review ICLR 2026. [Paper] [Code]

Honors & Awards

- Talent Development Scholarship (HK$10,000 awarded by HK Government) — 2025
- Professor Charles K. Kao Research Exchange Scholarships (HK$50,000 awarded by CUHK) — 2025
- Meritorious Winner, International Mathematical Contest in Modeling (Top 4%) — 2024
- Dean's List, CUHK — 2024
- 11th in East Division, Simon Marais Mathematics Competition — 2023
- Prof Omar Wing Mem Scholarship (HK$40,000 awarded by CUHK) — 2023
- Soong Ching Ling Scholarship (¥400,000 awarded by Chinese Government) — 2023
- Admission Scholarship (HK$50,000 awarded by CUHK) — 2023
- **Gold Medal, China Mathematics Olympiad (National final)** — 2022
- First Prize, China Physics Olympiad (Provincial) — 2022
- First Prize, China Chemistry Olympiad (Provincial) — 2022

Foundations

- **Main Courses**:
  Mathematics: Real Analysis, Complex analysis, Partial Differential Equations, Probability Theory
  Computer Science: Algorithm Design & Analysis, Computer Organization & Architecture, Operating System
- **Technical Skills**:
  Languages: C, C++, Python, Matlab, SQL, HTML
  Frameworks: PyTorch, DeepSpeed, Ray, vLLM, HuggingFace toolkit

Language Skills

- **Mandarin**: Native
- **Cantonese**: Intermediate
- **English**: Fluent (IELTS 7.5, Speaking 7.0)