

Zhenglin Cheng

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github.com/QAQdev

Education

Westlake University, PhD in Computer Science – Hangzhou, China Sept 2024 – present
 • **Research Field:** Multimodal efficient generation for image, video and beyond
 • **Advisor:** Prof. Tao Lin

Zhejiang University, BE in Major in Software Engineering; Minor in Advanced Honor Class of Engineering Education (ACEE) – Hangzhou, China Sept 2020 – June 2024
 • **GPA:** 3.95/4.00

Experiences

Research Intern, Inclusion AI, Ant Group – Hangzhou, China July 2025 – present
 • Developed efficient few-step and fast diffusion models for high-quality image generation and editing tasks.
 • Integrated the technology to internal *Lingguang* product team, accelerating models in live production environment.

Research Intern, Baichuan AI – Beijing, China July 2024 – Oct 2024
 • Conducted benchmarking for Baichuan-Omni across text, image, audio, and video modalities and drafted technical report.

Selected Publications

TwinFlow: Realizing One-step Generation on Large Models with Self-adversarial Flows 2025
Zhenglin Cheng*, Peng Sun* (project leader), Jianguo Li, Tao Lin
arxiv.org/abs/2512.05150 (ICLR 2026, Github stars 462, 11K model downloads in one month)

Dynamic Mixture of Experts: An Auto-Tuning Approach for Efficient Transformer Models 2025
 Yongxin Guo*, **Zhenglin Cheng***, Xiaoying Tang, Zhaopeng Tu, Tao Lin
arxiv.org/abs/2405.14297 (ICLR 2025)

GMem: A Modular Approach for Ultra-Efficient Generative Models 2024
 Yi Tang*, Peng Sun*, **Zhenglin Cheng***, Tao Lin
arxiv.org/abs/2412.08781 (arXiv preprint)

Multimodal Self-Instruct: Synthetic Abstract Image and Visual Reasoning Instruction Using Language Model 2024
 Wenqi Zhang*, **Zhenglin Cheng***, et.al.
arxiv.org/abs/2407.07053 (EMNLP 2024)

Misc

• **Research Interests:** My long-term research goal is to build efficient multimodal agents that can understand the physical world, reason on real-world problems, and generate novel ideas, which could also learn from experience and evolve themselves in the constantly changing environment.
 • **Academic Services:** Reviewer for ICLR 2026

Selected Honors

- Outstanding Graduate, Zhejiang University (2024)
- Outstanding Engineer Scholarship of Software Engineering (2024)
- Chiang Chen Overseas Fellowship (2024)