Xinxiang Yin

(+86) 15555603008 | yinxinxiang24@gmail.com | google scholar

 Github profile | Profile | Zhihu Notes | Blogs

EDUCATION

- **Northwestern Polytechnical University** *September 2023 - June 2027 (Expected)*
  B.Eng. in Software Engineering, Project 985 university Shaanxi, China
  ◦ GPA: 3.867/4.10, **Top 1%** (1/270 in Comprehensive Evaluation)

SELECTED HONORS AND AWARDS

- **National Scholarship, 2024 and 2025** *October 2025, 2024*

- **2026 International Collegiate Programming Contest (ICPC) World Finals, World Finalist** *November 2026*
  annually, only 16 China teams are selected for the World Finals, the highest-level event in collegiate programming [⊕]

- **50th ICPC Regional Contest, Shanghai, Gold Medal (10th Place)** *December 2025*
  [⊕]

- **50th ICPC Regional Contest, Shenyang, Gold Medal** *December 2025*
  [⊕]

- **11st China College Programming Contest Regional Contest, Chongqing, Gold Medal** *December 2025*
  [⊕]

- **12 & 13th Shaanxi Provincial College Programming Contest, Champion** *June 2025 & 2024*
  [⊕]

- **49 & 50th ICPC Invitational Contest, Shaanxi, Gold Medal** *May 2025 & 2024*
  [⊕]

- **17 & 18th International Advanced Robotics and Simulation Robot Contest, 2nd Place** *August 2025 & 2024*

- **Huawei Ascend AI Native Innovation Operator Challenge Final, 2nd Place** *August 2024*
  [⊕]

- **National Olympiad in Informatics for Secondary School Students (NOIP), First Prize** *December 2021*

PATENTS AND PUBLICATIONS C=CONFERENCE, P=PATENT, S=IN SUBMISSION

[C.1] Haodong Chen, Haojian Huang, **Xinxiang Yin**, Dian Shao (2025). FineQuest: Adaptive Knowledge-Assisted Sports Video Understanding via Agent-of-Thoughts Reasoning. In *Proceedings of the 33rd ACM International Conference on Multimedia (MM '25 Oral)*,

[S.1] **Xinxiang Yin***,Harold Haodong Chen* [1], et al. (2026). Show, Don't Tell: Morphing Latent Reasoning into Image Generation.Manuscript submitted for publication *International Conference on Machine Learning 2026 (ICML'26)*.

[S.2] Jingwei Shi* , **Xinxiang Yin***, Jing Huang* [1], et al (2026). **CodeHacker: Automated Test Case Generation for Detecting Vulnerabilities in Competitive Programming Solutions**. Manuscript submitted for publication via *Association for Computational Linguistics (ACL) Rolling Review (ARR)* – Jan 2026 Cycle.

[S.3] Jingwei Shi, Shengyu Tao, **Xinxiang Yin**, Chen Huang, et al (2026). **LETGAMES: An LLM-Powered Gamified Approach to Cognitive Training for Patients with Cognitive Impairment**. Manuscript submitted for publication via *Association for Computational Linguistics (ACL) Rolling Review (ARR)* – Jan 2026 Cycle

[P.1] Dian Shao, Yule Wang, Haodong Chen, **Xinxiang Yin**, Chu Tang (2025). **Knowledge-Enhanced Sports Video Understanding via Dual-Mode Reasoning of Large Models**. CNIPA, Patent No. CN202511263018.5, Grant No. CN120745851B.

[P.2] Xinyuan He, **Xinxiang Yin**, Wenqi Dong, Tianrui Wan, Linan Cao, Shiyue Cui, Zhanlong Yang, Kailai Jin (2025). **Quadruped All-Terrain Robot**. CNIPA, Patent No. CN202530093143.0, Grant No. CN309550196S.

[1] the _ and * means equal contributions and serving as co-first authors.

PROJECTS AND LEADERSHIP EXPERIENCE

- **Construction and Performance Optimization of Operators with Huawei Company** *October 2024 - Now*
  Based on Huawei Ascend 910B Server Architecture,the Ascend C programming paradigm [O]
  - Conducted memory optimization through memory bit alignment operations and tilling enhancement
  - Won the second prize in the final of the Ascend AI Native Innovative Operator Challenge, and now force on Matrix Multiplication Enhancement

- **MCMsource: Open Source of MCM Competition Materials, 110+ GitHub stars** *January 2025*
  Open-sourced my MCM paper figures, source code & PPT. [O]

- **Captain of Programming Contest Team, Northwestern Polytechnical University** *January 2025 - Now*
  Responsible for selection, training and competition. [O]
  - Organized regular training on Codeforces
  - Configured wf-linux and icpc-tools for contest environment simulation

- **LatentMorph : Morphing Latent Reasoning into Image Generation** *November 2025 - Now*
  Responsible for a part of idea and whole code obtaining sft and rl training [O][⊟ arXiv]
  - Design four lightweight components : Invoker, Condenser, Translator and Shaper to enhance the T2I tasks
  - Achieved SOTA on existing datasets : boosts base model Janus-Pro by 16% (GenEval) & 25% (T2I-CompBench), outperforms TwiG by 15% (WISE) & 11% (IPV-Txt) on reasoning tasks
  - Submitted to *International Conference on Machine Learning 2026 (ICML'26)* and currently under review .