

Yuhan Chi

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[Website](#) • [Online CV](#) • [GitHub](#)

RESEARCH INTERESTS

- Algorithms and optimization
- Reinforcement Learning
- Deep Learning
- LLM reasoning

SKILLS

- **Programming:** Python, C++, C, Java, Node.js, Lean 4
- **ML / AI:** PyTorch, deep learning, LLM fine-tuning, reinforcement learning, computer vision
- **Tools:** Git, GitHub, Linux, VS Code, Markdown, LaTeX
- **Strengths:** self-directed learning, mathematical problem solving, competitive programming, technical writing

LINKS

- [chi-shan0707.github.io](https://github.com/chi-shan0707)
- [chi-shan0707.github.io/cv/](https://github.com/chi-shan0707/cv/)
- github.com/Chi-Shan0707

PROFILE

- First-year undergraduate in the School of Mathematical Sciences at Fudan University, pursuing a double degree in Information and Computing Science & Artificial Intelligence.
- GPA: 3.96/4.00 (most recent semester); ranked 10th (top 5%) in the cohort.
- Interested in the mathematical foundations of AI, large language models, reinforcement learning, algorithms, and efficient model training.
- Most listed projects were completed independently outside a formal lab or research group.

EDUCATION

Fudan University, Shanghai, China

- Double Degree in Information and Computing Science & Artificial Intelligence
- GPA: 3.96/4.00 (most recent semester)
- Rank: 10th (top 5%) in the cohort

SELECTED OPEN-SOURCE PROJECTS

TinyLoRA-GRPO-Coder

- Independent open-source project on competitive-programming code generation.
- Built a TinyLoRA + GRPO pipeline on Qwen2.5-Coder-3B-Instruct.
- Designed compile-and-run based rewards for verifiable code generation.
- Reimplementation and adaptation of the original paper; the project and its predecessor have both received public GitHub attention.

NAD Next

- Collaborative framework for analyzing large-language-model neuron activations and reasoning processes.
- Covers activation-cache construction, selector evaluation, token-level statistics, and visualization.
- Primary contribution focuses on algorithm construction and method design.
- Work in progress; some modules are being released progressively.

ADDITIONAL INFORMATION

- Actively self-studying mathematics, algorithms, and artificial intelligence beyond formal coursework.
- Interested in research at the intersection of mathematics, AI, algorithms, optimization, and efficient learning systems.