

Yonghan Yang

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Objective

I'm an **aspiring AI researcher**, focused on Score-Based Generative Models, Agentic AI and Foundation Models. I'm also interested in interdisciplinary research: AIDD in biology, LSTM in finance and PINNs. I sketch, play tennis, enjoy literature, run regularly and volunteered across venues. My motto is ***To become a Hero the Hard Way.***

Skills: *Coding* in Python, Rust, TypeScript. *Writing* via Markdown, Typst, $\text{\LaTeX}$. *Lab* with SnapGene, Benchling, AutoDock Vina. *Visuals* with Manim, PowerPoint, Photoshop.

Education

MBZUAI, (Abu Dhabi, UAE), GPA - 3.8/4 Aug. 2025 – Present

- Bachelor of Science (B.Sc.) in Artificial Intelligence, expected May 2029
- Courses: **ML7501 Applied ML** (M.S. course), GE1510 Physics & Life Science, UG0500 Advanced Math
- Honors: Dean's List (< 10%), *Sheikh Tahnoon bin Zayed Scholarship in AI Excellence*, Pioneer Scholarship

Experience

Cyber-Physical Intelligence Lab & AAAAA Community, Researcher Oct. 2025 – Present

- Supervised by [Prof. Steve Liu](#) and mentored by [Ye Yuan](#).
- **Diffusion Surrogate for Offline Optimization** (*co-first author*): conditional diffusion models as surrogates for offline optimization. Accepted by 2026 **ICML** (presented in Seoul) and **ICLR DeLTa workshop**.
- **Surrogate-Guided Memory Retrieval for Agents** (*co-first author*): surrogate-guided offline training of agent memory retrieval. In progress.
- **Grounded Multimodal Social Deduction Agents** (*contributing author*): audited grounding of agents' claims in social deduction games. Accepted by 2026 **EMNLP**.
- **Discrete Diffusion Survey** (*contributing author*): reviewed discrete diffusion from tokenization to generation. Under review at **TMLR**.
- **Agentic Benchmark for Financial Intelligence** (*contributing author*): evaluated agents on financial workflows; ran key experiments. Under review at **ACL ARR**.

GenBio AI, Research Engineer Intern (Remote, since May 2026) Oct. 2025 – Present

- **Multi-Modal Biomedical ML Agent Benchmark** (*contributing author*): designed AI agent framework and curated benchmark to evaluate agents' code generation for biological research. Accepted by 2026 **NeurIPS**. Supervised by [Prof. Le Song](#).

Shanghai Academy of AI for Science, Researcher (Remote) May 2026 – Present

Harvard Medical School, Research Collaborator (Remote) Mar. 2026 – May 2026

- **Semi-supervised High-order Relation Learning** (*contributing author*): predicted drug combination-disease relationships. Supervised by [Prof. Jun Wen](#).

Paper Reviewer, **ICLR 2027** & **ICLR 2026 Workshop FM4Science** Feb. 2026 – Present

Activities

Mathematical Modeling Challenge, **COMAP** & **MAA** & **AMS** Jan. 2025 – Present

- 2026 MCM Honorable Mention; 2025 IMMC Outstanding (*Greater China*, < 1%) & Meritorious (*International*).

Synthetic Biology, **iGEM Competition** Oct. 2022 – Present

- BNDS-China as **top 10** teams (< 10%) & gold medal in 2023-2025, plus Best Measurement & Best Part Collection in 2025 (see [wiki](#)), as *student leader* (2024) and *instructor* (2025-2026).