

Zhao Yang

Ph.D. Student
Gaoling School of Artificial Intelligence
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Scholar: Google Scholar

Education

- **Renmin University of China** Beijing, China
Ph.D. in Artificial Intelligence, Gaoling School of Artificial Intelligence
Sep 2022 - Jun 2027 (Expected)
 - Advisor: Prof. Bing Su
- **Sichuan University** Chengdu, China
B.Eng. in Software Engineering, School of Software
Sep 2018 - Jun 2022

Experience

- **Zhongguancun Academy** Beijing, China
Research Intern
Apr 2025 - Present
- **Alibaba Cloud** Beijing, China
Research Intern
Jan 2025 - Mar 2025
- **Microsoft Research AI4Science** Beijing, China
Research Intern
Nov 2023 - Nov 2024

Research Interest

My research interests focus on **Language Models** and **Diffusion Models**, with a particular emphasis on their applications in **AI4Science**. Recently, I am interested in building practical scientific frameworks that go beyond end-to-end model predictions, by incorporating **reasoning** and **agentic** capabilities into scientific discovery.

Publication List (Google Scholar)

- [1] **Zhao Yang***, Yi Duan*, Jiwei Zhu, Ying Ba, Chuan Cao, Bing Su. **Extending Sequence Length is Not All You Need: Effective Integration of Multimodal Signals for Gene Expression Prediction.** *International Conference on Learning Representations (ICLR)*, 2026. **(Oral)**
- [2] Hengchang Liu*, **Zhao Yang***, Bing Su. **Diffusion LMs Can Approximate Optimal Infilling Lengths Implicitly.** *arXiv preprint*, 2026.
- [3] **Zhao Yang***, Jiwei Zhu*, Bing Su. **SPACE: Your Genomic Profile Predictor is a Powerful DNA Foundation Model.** *International Conference on Machine Learning (ICML)*, 2025.
- [4] **Zhao Yang**, Bing Su, Chuan Cao, Ji-Rong Wen. **Regulatory DNA Sequence Design with Reinforcement Learning.** *International Conference on Learning Representations (ICLR)*, 2025.
- [5] **Zhao Yang**, Bing Su, Jiahao Chen, Ji-Rong Wen. **Interpretable Enzyme Function Prediction via Residue-Level Detection.** *ICLR 2025 Workshop on Learning on Graphs and Geometry (LMRL)*, 2025.
- [6] **Zhao Yang**, Bing Su, Ji-Rong Wen. **Synthesizing Long-Term Human Motions with Diffusion Models via Coherent Sampling.** *ACM Multimedia (ACM MM)*, 2023.
- [7] Bing Su, Dazhao Du, **Zhao Yang**, Yujie Zhou, Jiangmeng Li, Anyi Rao, Hao Sun, Zhiwu Lu, Ji-Rong Wen. **A Molecular Multimodal Foundation Model Associating Molecule Graphs with Natural Language.** *arXiv preprint*, 2022.

Honors & Awards

- **First-Class Academic Scholarship:** Renmin University of China 2023, 2025
- **Outstanding Undergraduate Thesis:** Sichuan University 2022
- **Outstanding Graduate:** Sichuan University 2022
- **NOIP (National Olympiad in Informatics in Provinces):** First Prize 2016

Technical Skills

- **Programming:** Python, Bash, L^AT_EX
- **Frameworks:** PyTorch, Hugging Face Transformers
- **Tools:** Git, Claude Code, Cursor