

EDUCATION	Tsinghua University Beijing, China
	<i>Dual Major: Computer Science and Technology & Economics and Finance</i> 2022 - 2026 <ul style="list-style-type: none">• GPA: 3.83/4.00, Ranked 6-th among dual major students.• Selected A Courses: Data Mining (A+, Top 1), Artificial Intelligence, Computer Graphics, Linear Algebra (Advanced), Discrete Mathematics, Econometrics, Intermediate Microeconomics, Computational Humanities and Social Sciences, Object-Oriented Programming, Linear Algebra, Calculus A(2), etc.• Academic Interests: NLP, AI4Science.
RESEARCH EXPERIENCES	Rose Spatiotemporal Lab, UCSD San Diego, CA, USA 2024.07 - Present <ul style="list-style-type: none">• Research intern, advised by Prof. Rose Yu. Worked with Doc. Yadi Cao.• Worked on aligning large language models with the physical world.
	Tsinghua NLP Lab Beijing, China 2023.07 - Present <ul style="list-style-type: none">• Led IDM and SciAct projects and contributed to XAgent team.• Explored multimodal agents and the applications of large models in the natural sciences domain.
	Quantitative Research Dept., China Securities Beijing, China 2023.07 - 2023.09 <ul style="list-style-type: none">• Worked on Microsoft Qlib and optimized neural networks and algorithms including TCTS, TRA, HIST, etc.• Independently studied and completed a survey on “Application of Diffusion Models in Temporal Data Analysis”.
PUBLICATIONS AND PROJECTS	1. Bohan Lyu , Yadi Cao, Duncan Watson-Parris, Leon Bergen, Taylor Berg-Kirkpatrick, Rose Yu. Towards Grounding Large Language Models with the Physical World. <i>AAAI Fall Symposium Series (Oral)</i> , 2024.
	2. Bohan Lyu* , Xin Cong*, Heyang Yu, Pan Yang, Yujia Qin, Yining Ye, Yaxi Lu, Zhong Zhang, Yukun Yan, Yankai Lin, Zhiyuan Liu, Maosong Sun. Enhancing LLM’s Capabilities in Open Domains via Autonomous Tool Integration. Under Peer Review, 2023.
AWARDS AND HONORS	• No. 1/636 , Baidu Inc. Data Mining Competition (Loan Default Prediction) 2024.06
	• First Prize , National College Student Mathematical Modeling Contest (Beijing) 2023.10
	• Second Place & Newcomer Prize , Tsinghua University’s Challenge Cup 2024.04
	• Best Paper of Popularity , Contest of Scientific Communication 2024.05
	• Team Gold Prize , Digital Economy Research Project 2023.11
	• Third Place , Tsinghua University’s Business Imitation Contest 2022.10
GRANTS	• Global Exploration Initiative , ¥20,000, Grade A 2024.04
	• Academic Advancement Program , ¥20,000, Grade B 2024.05
	• Student Research Training , ¥5,000 2024.05
	• ‘Sparking Program’ , ¥5,000 2024.05
	• Tsinghua University’s Challenge Cup , ¥3,000 2024.03
SKILLS	Languages: English, Chinese.
	Programming: Python, C/C++, System Verilog, L ^A T _E X, MATLAB, etc.
	Tools: DeepSpeed, Git, Shell, Vim, Docker, SQL, Django, ReAct, Flask, ssh, gdb/pdb, etc.