Morre Zhao Enhan

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Place of birth: Nanjing, Jiangsu, China ✻ *Date of birth:* 07-11-2002

Education

Bachelor's degree in Computer Science and Economics — *Peking University*
Bachelor's degree program — *September 2021 - June 2025*
admitted to honor-track class for AI and computing
double major

Exchange to Department of Engineering, Computer Science — *Hong Kong University*
Exchange program — *September 2023 - December 2023(expect)*
Full scholarship

Research and Intern experience

AI For Science Institution — *July 2022 - September 2022*
Prof T. Zhang Group — *Beijing, China*

- Use AI method to simplify Chemical mechanism of combustion.
- Use Cantera to calculate the chemical reaction fluxes and visualize them.
- Use sensitivity analysis and other methods to judge the importance of chemical reactions.

Peking University — *February 2023 - March 2023*
Wang Xuan Computer Research Institute, Prof E and Zhang's Group — *Beijing, China*

- Research Rotation: AI for finance and AI for Science.
- Repeat the result of the paper Relation-Aware Transformer for Portfolio Policy Learning. Lecture papers in group meetings: Ground State Energy Functional with Hartree–Fock Efficiency and Chemical Accuracy. Use deep-learning method to solve electronic structure and molecular dynamics problems.

Xuan Yuan Investment — *July 2023 - Augest 2023*
Quant researcher internship — *Beijing, China*

- Use mathematics and machine learning method to look for patterns in financial data.
- Use Level2 data to backtest alphas.

Reward

Chinese Chemistry Olympics: Gold Medal — *November 2021*
Hangzhou. Zhejiang, China
awarded by Chinese chemical society

China Merchants Securities Scholarship and Academic Merit Award — *June 2022*
Beijing, China
awarded by Peking University

Technical skills

Programming Languages/Tools C, C++, Python, Matlab, LaTeX, Linux

Language proficiencies

CET6	632
TOEFL	94

Publication

Paper	A deep learning-based model reduction (DeepMR) method for simplifying chemical kinetics, arXiv:2201.02025v3

Memberships

Peking University	Hedge Fund Association
Peking University	Algorithm Association
Collage of EECS	Tennis Team