Jingyang Chen

No.5 Yiheyuan Road, Haidian District, Beijing 100871, P.R.China
chenjingyang2021@stu.pku.edu.cn

RESEARCH INTERESTS

Theoretical and computational biophysical chemistry: computational modeling of biological macromolecules, molecular dynamics
Cheminformatics and Bioinformatics: computational drug design, AI for science

EDUCATION

College of Chemistry and Molecular Engineering, Peking University   **Beijing, China**
Bachelor of Science in Chemistry   *September 2021 - July 2025*
Overall GPA: 3.55/4.00
Related Courses: Advanced Mathematics, Probability and Statistics, Methods of Mathematical Physics, Introduction to Computation, Machine Learning and its Applications in Chemistry, Structural Chemistry, Physical Chemistry, Comprehensive Physical Chemistry, Fundamentals of Life Chemistry, Biophysical Chemistry, Physical Chemistry in Cellular and Molecular Biology, Introduction to Thermodynamics and Statistical Mechanics, Theoretical Mechanics

RESEARCH EXPERIENCE

Molecular Modeling Group, PKU   *October 2023 - present*
Research Assistant, Advised by Prof.Zhirong Liu

- Repeated the result of the paper Fluctuation correlations as major determinants of structure- and dynamics-driven allosteric effects.
- Aimed to reveal that long-range coupled mechanical responses are easy to achieve in disordered networks which was proved in paper Designing allostery-inspired response in mechanical networks in a more computationally efficient approach by using perturbation-theory analysis.

AWARDS

Silver Medal in Chinese Chemistry Olympiad (CChO)   *November 2020*
Hangzhou, Zhejiang, China
Awarded by Chinese Chemical Society

SKILLS

Programming: Proficient in python; Familiar with C/C++, LaTeX, Linux and etc
Software: Chemdraw, Origin