

Yuchu Hou

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EDUCATION

Personal Website: <https://www.mayhyc.com/>

Peking University Health Science Center

Beijing, China

Bachelor of Nursing

June. 2025

Relevant Courses: Organic Chemistry, Biochemistry, Physiology, Basic Chemistry Experiments, Immunology, Histology and Embryology Experiments, Human Anatomy (93), Literature Reading (Pass), Interpersonal Communication and Etiquette, Advanced Mathematics (95), College English (91), University Computer (94), Physical Education (94)

Beijing No.4 High School

Beijing, China

Chemistry Competition Experimental Class

June. 2021

GPA: 93.2/100

Merit Student All Semester, Excellent Student Leader All Semester, Outstanding Volunteer 2021

Third prize of the 33rd China Chemistry Olympics by China Chemical Society

M-c (A) Certificate of the 8th Middle School Mathematics Proficiency Test

RESEARCH EXPERIENCE

George F. Gao's Research Group, Institute of Microbiology

Beijing, China

Chinese Academy of Sciences

Jan. 2022 – Present

Research Assistant (Intern)

COVID19 targeted drug and vaccine development, commissioned by Chinese Center for Disease Control and Prevention. The laboratory of Fu Lifeng, head of the chemical drug and analysis platform (academic assistant of the senior academician team) participates in the screening of antiviral drugs based on protein and cell level, the study of antiviral drug mechanisms, and the development of new antiviral drugs, etc., and works with the seniors to synthesize drugs and culture cells.

Functional Polymer Laboratory, Technical Institute of Physics and Chemistry

Beijing, China

Chinese Academy of Sciences

June. 2021 – Present

Research Assistant (Intern)

Researches of functional polymer, including the design, synthesis and application of photosensitizer, initiator, monomer and polymer.

LEADERSHIP & COMMUNITY INVOLVEMENT

Peking University, Health Science Center Student Union, drama club and hip-hop club

Sep. 2021 – Present

Beijing No. 4 Middle School, Monitor of Chemistry Competition class

Sept. 2018 – Jun. 2021

- Cooperate with teachers to organize students to make training plans, arrange courses and lecturers, plan and implement experiments, etc
- Organized team members to do experiments
- Participated in chemical competition courses and intensive training
- Lead teams to master the advanced knowledge of chemistry, understand the mysteries of chemistry, explore the application and development of chemistry, and win the competition awards

Sailing Magazine, Associate editor

Sep. 2015 – July. 2018

- Poster drawing, encourage students to contribute, draft, review, proofread, edit, typesetting, printing, distribution, etc

Beijing Cihongcharity Foundation, Volunteer

June. 2019 – May. 2020

<http://www.cihongcharity.org>

- Managed and lead a *Volunteer teams* from Beijing No. 4 High School for a variety of volunteer activities
- Aided impoverished high school students, subsidize books and learning tools for children in poor mountainous areas in Yunnan, Henan, Shanxi and Qinghai.
- Conducted 10+ pages of research report on impoverished places student living and study condition

ADDITIONAL INFORMATION

Other Activities: Peking University Women's basketball team, Athletic Team, drama club and hip-hop club

Honors & Awards: High jump Women's 2nd Place, 4X100 women's relay 1st Place, Dance Association China Grade 13 Certification, First class award "Ye Shengtao Cup" National New Composition Competition for Middle School Students

Skills: English and Mandarin (Native), Proficient in MS Office, Python,

Interests: Piano, dance, writing, basketball, volleyball, sprinting, high jump, long jump, swimming skiing, gymnastics