

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

Overall GPA: 3.83/4.0 Major GPA: 4.0/4.0

Relevant Courses: Organic Chemistry, Biochemistry, Physiology, General Chemistry Lab, Immunology, Histology and Embryology Lab, Human Anatomy, Literature Reading, Interpersonal Communication and Etiquette, Advanced Mathematics, College English, University Computer, Physical Education

Beijing No.4 High School

Beijing, China

Chemistry Competition Laboratory 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 National Olympic Chemistry Competition 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-targeting drug and vaccine development, commissioned by the Chinese Center for Disease Control and Prevention. The laboratory of Fu Lifeng, head of the chemical drug and analysis platform (academic assistant to the senior academician team)
- Participated in the screening of antiviral drugs based on protein and cell level
- Studied antiviral drug mechanisms, developed new antiviral drugs, and worked with senior researchers 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)

Researched functional polymers, 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 Laboratory class

Sep. 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 complete experiments
- Participated in chemical competition courses and intensive training
- Led teams to master the advanced knowledge of chemistry, understand the mysteries of chemistry, explore the application and development of chemical principles, and win 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 led a *volunteer team* from Beijing No. 4 High School for a variety of volunteer activities
- Aided impoverished high school students, raised funds for subsidized books and learning tools for children in poor mountainous areas in Yunnan, Henan, Shanxi and Qinghai.
- Conducted 10+ pages of research to 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 (Middle School)

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

Interests: Piano, Dance, Writing, Basketball, Volleyball, Sprinting, High Jump, Long Jump, Swimming, Skiing gymnastics