

Haoran SUN

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The world opens itself before those with noble hearts.

EDUCATION

Sept. 2019–June 2023
(expected) **B.Sc.**, Bioinformacis and mathematics (minor), Chinese university of Hong Kong, Shenzhen (CUHK-Shenzhen).
Major GPA: 3.7, cumulative GPA: 3.6, minor GPA: 3.x

TEACHING

Sept. 2021–Dec. 2021 **Undergraduate student teaching fellow (USTF)**, Computation Biology (BIM2005).

- Tutorial session about how to use molecular docking tool Autodock-vina
- Tutorial session about mathematical background and hands-on experience of principle component decomposition (PCA) algorithm
- Tutorial session about basic principles of quantum mechanics and quantum chemistry

Jan. 2022–May 2022 **Undergraduate student teaching fellow (USTF)**, Organic Chemistry (BIO2003).

SKILLS

Coding langs	Bash, Python, Fortran, CUDA C/Fortran, \LaTeX
Programming tools	Vim, Jupyter Lab
Compt. chem. tools	Gaussian, Amber, Gromacs

RESEARCH EXPERIENCES

Apr. 2021–May. 2023
(expected) **Research assistant**, Hajime HIRAO's research group, Warshel Institute for Computational Biology.
Computational chemistry/biology, MD simulation, QM/MM

Jan. 2020–Apr. 2021 **Research assistant**, Hsien-da HUANG's research group, Warshel Institute for Computational Biology.
Multi-omics research, expression data analysis

RESEARCH INTERESTS

ACHIEVEMENTS

Sep. 2019 **First prize**, Chinese Chemistry Olympiad, provincial level.

LANGUAGE SKILLS

Chinese (native), English, Japanese (elementary, only read)