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, minor GPA: 3.x, cumulative GPA: 3.6

SKILLS

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

TEACHING EXPERIENCES

Sept. 2021–Dec. 2021	**Undergraduate student teaching fellow (USTF)**, Computation Biology (BIM2005), CUHK-Shenzhen. ○ Tutorial session about how to use molecular docking tool Autodock-vina. ○ Tutorial session to help student review basic principles of quantum mechanics and quantum chemistry. ○ Tutorial session about mathematical background and hands-on python implementation of principle component decomposition (PCA) algorithm.
Jan. 2022–May 2022	**Undergraduate student teaching fellow (USTF)**, Organic Chemistry (BIO2003), CUHK-Shenzhen. ○ Tutorial session about…

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

Computational chemistry/biology, development of free-energy calculation and TS-searching algorithms, statistical learning applied on computational chemistry/biology.

ACHIEVEMENTS

Sep. 2018	**First prize**, Chinese Chemistry Olympiad, provincial level.

LANGUAGE SKILLS

Chinese (native), English (TOEFL xxx), Japanese (elementary, only be able to read)