

HE ZHOUYI

107A, Tower A, HKUST, Clearwater Bay, Hong Kong, China

(+852)95078056 ◊ zheam@connect.ust.hk◊ [Personal Page](#)

EDUCATION

Hong Kong University of Science and Technology (HKUST), HK, China 08/2019 - Present
Ph.D. in Chemistry. Focus on Theoretical and Computational Chemistry.

University of Science and Technology of China (USTC), Hefei, China 08/2015 - 06/2019
B.Sc. in Chemistry. Focus on Chemical Physics GPA: 3.23/4.3
TOEFL: 98 (R:30 L:28 S:18 W:22) 02/06/2018

RESEARCH EXPERIENCE

Hong Kong University of Science and Technology PhD Student
Prof. SU Haibin's research group, department of chemistry 08/2019-present

- Focus on the development of DFT methods and theoretical research on Cas9.

Hefei National Laboratory for Physical Science at the Microscale Final Year Project
Prof. ZHENG Xiao's research group, department of chemical physics of USTC 09/2018-07/2019

- As the second author of the academic paper "[Unit Cell Consistency of Maximally Localized Wannier Functions](#)", published in [Electron Structure](#).

Hong Kong University of Science and Technology Summer Research
Prof. HUANG Jinqing's research group, department of chemistry 07/2018-08/2018

- Use Optical Tweezers to manipulate a protein, detect its Raman spectral signals at the same time.

Hefei National Laboratory for Physical Science at the Microscale Research Assistant
Prof. LU Junling's research group, department of chemical physics of USTC 03/2017-06/2018

- Design Single-Atom-Catalyst using Atomic Layer Deposition and participated in many projects.

TECHNICAL STRENGTHS

Programming language	Python, C.
Software & Tools	MS Office, Latex, Origin, MATLAB, Mathematica, etc.
Professional Skills	Gaussian, VASP, Molecular Dynamics Simulation, etc.

ACADEMIC ACHIEVEMENTS

Postgraduate Studentship of HKUST	2019
National Endeavor Scholarship of USTC	2016&2018
Outstanding student scholarship of USTC	2016&2018
Second Prize in 28th China Chemistry Olympic Competition	2014

EXTRA-CIRRICULAR

Teaching Volunteer of aid education in remote areas Team Leader
Primary school, Longshan county, western Hunan, China 07/2015-08/2015

- Overcome many difficulties since the teaching and living conditions were really poor; organized a fun sports competition and the final farewell party, which is indeed an unforgettable experience for me.

Hobbies: Cinema, Photography, Music, Travel, Basketball, Hiking, etc.