

Hao Tian

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EDUCATION	Southern Methodist University , Dallas, Texas, USA	Aug 2019 – Now
	<ul style="list-style-type: none">▪ Ph.D. in Theoretical and Computational Chemistry<ul style="list-style-type: none">• Adviser: Prof. Peng Tao• Cumulative GPA: 3.95 / 4.0	
	Georgia Tech , Atlanta, Georgia, USA	Aug 2020 – Now
	<ul style="list-style-type: none">▪ M.S. in Computer Science<ul style="list-style-type: none">• Specialization: Computing Systems	
	Beijing University of Chemical Technology , Beijing, China	Aug 2015 – Jun 2019
	<ul style="list-style-type: none">▪ B.Eng. in Chemical Engineering<ul style="list-style-type: none">• Cumulative GPA: 3.49 / 4.33	
RESEARCH EXPERIENCE	Center for Research Computing, Center for Drug Discovery, Design, and Delivery (CD4) Department of Chemistry, Southern Methodist University Graduate Research Assistant Focus: <ul style="list-style-type: none">• Molecular dynamics of biomacromolecules• Decipher protein allostery through machine learning based methods• Machine learning and database based allostery development	Aug 2019 – Now
PUBLICATIONS	PREPRINTS [2] Hao Tian , Francesco Trozzi, Brian Zoltowski and Peng Tao. Deciphering the Allosteric Process of <i>Phaeodactylum tricornutum</i> Aureochrome 1a LOV Domain. <i>ChemRxiv</i> , 2020. (Submitted to <i>The Journal of Physical Chemistry B</i> , under review) [1] Hao Tian and Peng Tao. iVis Dimensionality Reduction Framework for Biomacromolecular Simulations. <i>arXiv preprints arXiv:2004.10718 [q-bio.QM]</i> , 2020. (Submitted to <i>Journal of Chemical Information and Modeling</i> , under review for major revision) JOURNALS [1] Hao Tian and Peng Tao. Deciphering the Protein Motion of S1 Subunit in SARS-CoV-2 Spike Glycoprotein Through Integrated Computational Methods. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020.	
AWARDS & SCHOLARSHIPS	Outstanding Teaching Assistant Southern Methodist University, Dallas, TX, USA, 2020	May 2020
	Ph.D. Scholarship Southern Methodist University, Dallas, TX, USA,	Aug 2019
	Meritorious Winner of Mathematical Contest in Modeling Beijing University of Chemical Technology, Beijing, China,	Mar 2018
LEADERSHIP & SERVICES	Living Journal of Computational Molecular Sciences Student reviewer	Aug 2020 – Now
SKILLS	Scripting languages: Python, Java, Bash Machine learning packages: Scikit-learn, Keras, PyTorch Source control management: Git Others: L ^A T _E X	

[Last updated on 2020-08-06]