

Jeffrey Chang

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Education	Ph.D. student in Physics, Harvard University	2020–
	B.S. in Physics, Stanford University GPA: 4.03 (in major: 4.04)	2016–2020
Career	<i>Scientific Consultant</i> , Manifold Biotechnologies, Inc.	2020–
	• Computational modeling of a novel platform for multiplexed quantification of barcoded proteins	
	<i>Textbook Author</i> , with Prof. Steven A. Kivelson and Jack M. Jiang	2019–
	• Writing an undergraduate-level textbook on the statistical mechanics of phase transitions	
	<i>Researcher</i> , Boxer Lab, Stanford Dept. of Chemistry	2017–2019
Teaching	• X-ray crystallography of fluorescent proteins to probe the photochemistry of biological chromophores	
	<i>Software Engineering Intern</i> , Schrödinger, Inc.	2017
	• Helped develop a python GUI for protein visualization and overhauled a critical part of the software architecture	
	<i>Teaching Assistant</i> , Stanford Dept. of Physics	2019–2020
	• Physics 216: Back of the Envelope Physics (Aut. 19-20)	
Honors	• Physics 63: Electricity, Magnetism, and Waves (Wtr. 19-20)	
	<i>Peer Tutor</i> , Stanford Center for Teaching and Learning	2019
	• Tutored Stanford undergraduates in math and physics through a free tutoring program	
	National Science Foundation Graduate Research Fellowship	2020
	Stanford Deans' Award for Academic Achievement	2020
Publications	Stanford Undergraduate Research and Advising Small Grant	2019
	Stanford Bio-X IIP Symposium Best Poster Award	2018
	Stanford Bio-X Undergraduate Fellow	2018
	“Structural Evidence of Photoisomerization Pathways in Fluorescent Proteins”, J. Chang, M. G. Romei, S. G. Boxer, <i>Journal of the American Chemical Society</i> , 141 , 15504-15508 (2019). [link]	
Interests	<i>Music Composition</i> . Horn sonatas, wind quintets, jazz tunes, and more [link]	
	<i>French Horn</i> . Four years principal horn experience, ringer for local orchestras	
	<i>French</i> . Fluent speaker with six years of coursework	