

## Jeffrey Chang

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|---------------------|---|-----------------|
| <b>Education</b>    | B.S. candidate in Physics, Stanford University<br>Current GPA: 4.02 (in major: 4.07)  | 2020 (expected) |
|                     | Lynbrook High School, San Jose, CA<br>GPA: 4.40, <i>Valedictorian</i>   | 2016            |
| <b>Career</b>       | <i>Textbook Author</i> , with Prof. Steven A. Kivelson and Jack M. Jiang<br>• Writing an undergraduate-level textbook on the statistical mechanics of phase transitions                                     | 2019–           |
|                     | <i>Researcher</i> , Boxer Lab, Stanford Dept. of Chemistry<br>• X-ray crystallography of fluorescent proteins to probe the photochemistry of biological chromophores  | 2017–2019       |
|                     | <i>Software Engineering Intern</i> , Schrodinger, Inc.<br>• Helped develop a python GUI for protein visualization and overhauled a critical part of the software architecture                               | 2017            |
| <b>Teaching</b>     | <i>Course Assistant</i> , Physics 216, Stanford Dept. of Physics<br>• Hosted discussion sections and graded assignments for a graduate-level physics class (Back of the Envelope Physics)                   | Aut. 2019       |
|                     | <i>Peer Tutor</i> , Stanford Center for Teaching and Learning<br>• Tutored Stanford undergraduates in math and physics through a free tutoring program  | 2019–           |
|                     | <i>Science Educator</i> , Springlight Education Institute<br>• Designed curriculum and taught high-school level classes on physics, chemistry, and biology  | 2015–2016       |
| <b>Honors</b>       | Stanford Undergraduate Research and Advising Small Grant  | 2019            |
|                     | Stanford Bio-X IIP Symposium Best Poster Award  | 2018            |
|                     | Stanford Bio-X Undergraduate Fellow   | 2018            |
| <b>Publications</b> | “Structural Evidence of Photoisomerization Pathways in Fluorescent Proteins”, J. Chang, M. G. Romei, S. G. Boxer, <i>Journal of the American Chemical Society</i> , <b>141</b> , 15504-15508 (2019). [link] |                 |
| <b>Interests</b>    | <i>Chamber Music</i> . Financial officer of the Stanford Collaborative Orchestra [link]   |                 |
|                     | <i>Music Composition</i> . Horn sonatas, wind quintets, jazz tunes, and more [link]   |                 |
|                     | <i>Jazz piano</i> . Active gigging musician with the Casual Business jazz combo   |                 |
|                     | <i>French</i> . Fluent speaker with six years of coursework   |                 |