

CONTACT INFORMATION	<p>Department of Physics and Astronomy Johns Hopkins University Baltimore, MD, United States, 21218</p> <p><i>E-mail:</i> wcwang@jhu.edu https://weichenstars.github.io</p>
EDUCATION	<p>Johns Hopkins University, MD, United States Department of Physics and Astronomy, August, 2016 - now Graduate Student Advisor: Susan Kassin</p> <p>Tsinghua University, Beijing, China 8/2012 - 7/2016 B. Sc. in Physics (graduate with honors) Thesis: Galaxy formation and evolution in CANDELS Advisors: Shude Mao, Sandra Faber</p>
RESEARCH EXPERIENCE	<p>Johns Hopkins University, MD, United States 9/2016–now Department of Physics and Astronomy <i>Graduate Student</i> Galactic winds at $z \sim 1$ using KECK/DEIMOS from the HALO7D survey (P.I.: Guhathakurta); dust attenuation law and dust geometry of the star-forming galaxies at $z \sim 1$. • Advisor: Susan Kassin (STScI)</p> <p>University of California, Santa Cruz, CA, United States 7/2015- 9/2015; 1/2017 Department of Astronomy <i>Visiting Student</i> Spatially resolved star formation and dust attenuation of $z \sim 1$ galaxies. • Advisors: Sandra Faber, David Koo</p> <p>Tsinghua University, Beijing, P.R. China 6/2014 - 7/2016 Tsinghua Center for Astrophysics <i>Undergraduate Researcher</i> Effects of dark matter halo substructure on gravitational lensing systems. • Advisor: Shude Mao</p>
PUBLICATIONS	<p>W. Wang, S. A. Kassin, S. M. Faber, David C. Koo et al., 2021 to be submitted: <i>The Baltimore Oriole's Nest: Outflows from a Star-Forming Galaxy at $z = 1.3$</i></p> <p>W. Wang, S. A. Kassin, C. Pacifici et al., ApJ, 869, 161 (2018): <i>Galaxy Inclination and the IRX-β Relation: Effects on UV Star Formation Rate Measurements at Intermediate to High Redshifts</i></p> <p>W. Wang, S. M. Faber, F.-S. Liu et al., MNRAS, 469, 4063 (2017): <i>UVI colour gradients of $0.4 < z < 1.4$ star-forming main-sequence galaxies in CANDELS: dust extinction and star formation profiles</i> Click this ADS link for the full publication list</p>
TEACHING EXPERIENCE	<p>Teaching Assistant, General Physics I for Biological Science Majors (171.103) Johns Hopkins University, Fall 2016</p> <p>Teaching Assistant, General Physics Laboratory (171.111) Johns Hopkins University, Fall 2016</p>

TALKS	<p>Baltimore Wind Workshop (contributed talk), Baltimore MD, 2021</p> <p>Conference “Massively Parallel Large Area Spectroscopy from Space” (contributed talk), Institute of Astrophysics and Space Sciences, Portugal (remote), 2021</p> <p>Astrophysics Seminar at University of Missouri, MI (remote), 2020</p> <p>Conference “The Art of Measuring Physical Parameters in Galaxies” (contributed talk), UC Riverside, CA, 2018</p> <p>Santa Cruz Galaxy work shop (contributed talk), Santa Cruz CA, 2018</p> <p>AAS Meeting 231 (contributed talk), Washington DC, 2018</p> <p>Conference “Plumbing Star-Formation Rates in the Age of JWST ” (contributed talk), Texas A&M University, TX, 2017</p> <p>Conference “Dusting the Universe” (contributed talk), University of Arizona, AZ, 2018</p> <p>JHU/STScI Galaxy Journal Club, Baltimore MD, 2017</p> <p>Lunch talks, Tsinghua Center for Astrophysics and Peking University/KIAA, 2017</p>
SCHOLARSHIPS AND AWARDS	<p>The IAU travel grant, 2019.</p> <p>National Astronomical Observatory of China (NAOC) Scholarship, 2016.</p>
OBSERVATIONS AND PROPOSALS	<p>JWST Cycle-1 proposal (Co.I. with major contribution; P.I.: Susan Kassin), 74.3 hours: <i>A Pathfinder for JWST Spectroscopy: Deep High Spectral Resolution Maps of Galaxies over $1 < z < 6$</i>, scheduled for 2022</p> <p>ALMA Cycle-8 proposal (Co.I.; P.I.: Raymond Simons), 23.1 hours: <i>CO Kinematics at Cosmic Noon: Timing the Redistribution of Metals Around Galaxies</i>, scheduled for 2022</p> <p>ALMA Cycle-7 proposal (P.I.), 14.7 hours: <i>Does molecular gas follow the motion of ionized gas inside typical high-redshift star-forming galaxies?</i> Observations not completed due to weather and the impact of COVID-19 in Chile, 2021</p> <p>NASA ADAP proposal (Co.I. with major contribution; P.I.: Susan Kassin), \$485k: <i>Expelling Gas from Galaxies in the Distant Universe: Resolved Winds and Kinematics at $z \sim 1$</i>, 2020-2022</p> <p>ARC 3.5m telescope, Apache Point Observatory, Nov 19 - 21th, 2016</p>
MENTORSHIP	<p>Ying Qin, JHU undergraduate in physics major, since 2021: <i>Studying the Mg II emission of low-mass galaxies at $z \sim 1$.</i></p>
OUTREACH ACTIVITIES	<p>Member of the Astro Scholars program since 2021</p> <p><i>An annual week-long interactive mini-course in astrophysics, research in astrophysics, and computer programming for undergraduates from under-represented backgrounds</i></p> <p>Member of the Physics and Astronomy Graduate Students (PAGS) Outreach Team, Johns Hopkins University, 2017-2019</p> <p><i>Regularly support student visits from Baltimore local primary/middle schools</i></p> <p>The JHU Physics Fair, 2016-2019</p> <p><i>Annual event open to Baltimore local communities and JHU undergraduates with educational demos related to fundamental physics and astronomy</i></p>
RELEVANT SKILLS	<ul style="list-style-type: none"> • Programing: Python, IRAF, IDL, C++

- Operating Systems: Unix, Linux, Mac OS

SERVICE

Referee of The Astrophysical Journal (since 2018)