

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> W. Wang, S. A. Kassin, C. Pacifici et al., ApJ, 869, 161 (2018) W. Wang, S. M. Faber, F.-S. Liu et al., MNRAS, 469, 4063 (2017) 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 Teaching Assistant, General Physics Laboratory (171.111) Johns Hopkins University, Fall 2016</p>	
TALKS	<p>Baltimore Wind Workshop (contributed talk), Baltimore MD, 2021 Conference “Massively Parallel Large Area Spectroscopy from Space” (contributed talk), Institute of Astrophysics and Space Sciences, Portugal (remote), 2021 Astrophysics Seminar at University of Missouri, MI (remote), 2020 Conference “The Art of Measuring Physical Parameters in Galaxies” (contributed talk),</p>	

	UC Riverside, CA, 2018
	Santa Cruz Galaxy work shop (contributed talk), Santa Cruz CA, 2018
	AAS Meeting 231 (contributed talk), Washington DC, 2018
	Conference “Plumbing Star-Formation Rates in the Age of JWST ” (contributed talk), Texas A&M University, TX, 2017
	Conference “Dusting the Universe” (contributed talk), University of Arizona, AZ, 2018
	JHU/STScI Galaxy Journal Club, Baltimore MD, 2017
	Lunch talks, Tsinghua Center for Astrophysics and Peking University/KIAA, 2017
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	<p>Referee of The Astrophysical Journal (since 2018)</p>