Curriculum Vitae (Updated Mar. 2017) Weichen Wang

Contact Information

Department of Physics and Astronomy
Johns Hopkins University
Baltimore, MD, United States, 21218

Gender: Male
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Birth and Citizenship

Birth Date: December 4, 1994
Birth Place: Baishan, Jilin Province, China
Citizenship: China

Research Objectives

Astronomy and Astrophysics:
Extragalactic/Galactic Astrophysics, Gravitational Lensing, and Cosmology

Education

Johns Hopkins University, MD, United States.
Department of Physics and Astronomy, August, 2016 - May, 2022 (Expected)
Graduate student
*M*ajor: **Astronomy and Astrophysics**

Tsinghua University, Beijing, China.
Department of Physics, August, 2012 - July, 2016
B. Sc. in Physics (graduate with honor)
*T*hesis: Galaxy formation and evolution in CANDELS
Advisor: Shude Mao, Sandra Faber

Research Experience

Johns Hopkins University, MD, United States
Department of Physics and Astronomy *Research Assistant* **September, 2016 - present**

Research Topic: Analysing the physical nature of bursty star formation, and multiple star formation indicators at high redshift. Aggregate photometric and spectroscopic measurements obtained by large extragalactic surveys conducted on the Hubble Space Telescope (CANDELS, 3D-HST).
- Advisor: Susan Kassin

University of California, Santa Cruz, CA, United States
Department of Astronomy *Visiting Student* **July - September, 2015**

Research Topic: Color gradients of star forming galaxies in HST· CANDELS project. Observational analysis of dust distribution and star formation in young galaxies observed by the Hubble Space Telescope(HST), and its implication on galaxy formation and evolution theories.
- Advisor: Sandra Faber, David Koo

Tsinghua University, Beijing, P.R. China
Tsinghua Center for Astrophysics *Undergraduate Researcher* **June, 2014 - July, 2016**

Research Topic: Effects of galaxy dark matter substructure in gravitational lensing systems. Simulation of strong lensing system and adoption of power spectrum analysis in galaxy substructure lensing.
- Advisor: Shude Mao

University of Melbourne, Vic, Australia
Melbourne Graduate School of Science *Visiting Student* **February, 2015**

Tsinghua-Melbourne Science Camp on biological information and geological modeling.

Teaching Experience	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.
Scholarships and Awards	National Astronomical Observatory of China (NAOC) Scholarship, 2016. Scholarship of Tsinghua XueTang Talent Plan for Fundamental Science Study, 2014/2015. Tsinghua New Century Leader Project, 2012.
Relevant Skills	• Programing: C++, Python, Matlab, IRAF, IDL. • Operating Systems: Unix/Linux • Language: 1. Chinese: Native Speaker 2. English: Second language.
Extracurricular Activities	Member of the Tsinghua Harmonica Association. Volunteer teacher during the summer of 2013, at the Pengzhai Primary School of Yangmei County, Guizhou Province, one of the most undeveloped regions of China.
Publication	(submitted to MNRAS) W. Wang, S. M. Faber, F. S. Liu et al. (2017) F. S. Liu, D. Jiang, Y. Guo et al., ApJ. 822, L25 (2016)
Observation Experience	On-site training using the ARC 3.5m telescope, Apache Point Observatory, NM, United States. *Nov 19 - 21th, 2016*