Curriculum Vitae — 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

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

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

Scholarships and Awards

National Astronomical Observatory of China (NAOC) Scholarship, 2016.
Scholarship of Tsinghua XueTang Talent Plan for Fundamental Science Study, 2014/2015.
Individual Prize for Undergraduate Science Research, Department of Physics, Tsinghua, 2013.
Tsinghua New Century Leader Plan, 2012.

Academic Experience

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

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.

- Supervisor: Sandra Faber, David Koo

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

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.

- Supervisor: Shude Mao

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

Attending the Tsinghua-Melbourne Science Camp. Two weeks' workshop on computational science concentrating on its application in biological information and geological modeling.

Relevant Skills

- Programing: C++, Python, Matlab, IRAF.
- Operating Systems: Three years' experience of working on Unix/Linux
- Language:
  1. Chinese: Native Speaker
  2. English: Second language.

Extracurricular Activities and Hobbies

Student library assistant of Tsinghua University

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

F. S. Liu, D. Jiang, Y. Guo et al., Astrophys. J. 822, L25 (2016)

Observation Experience

On-site training using the ARC 3.5m telescope, Apache Point Observatory, NM, United States.
Nov 19th, Nov 20th, 2016