

Ruoyan Wang

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Career Objective

To enter a graduate program majoring in astrophysics, preferably in stellar formation & evolution, planetary sciences, dark matter, galaxies, or supernovae.

Education

9/13-12/17 BS. Physics(Astrophysics), University of California, Santa Cruz

Experience

6/17-12/17 Research Assistant with Jonathan Fortney, Department of Astronomy and
6/16-9/16 Astrophysics, University of California, Santa Cruz

Our group focuses on modeling the atmosphere of brown dwarfs.

I analyze the models through both vetting plots and pressure-wavelength relations by interpolating the pressure-temperature profiles and the spectra.

8/17-9/17 School Tutor, Henan Agricultural University Affiliated High School, China

8/16-9/16 Helped students understand basic level physics concepts in classical mechanics and electronic circuits taught in class. and taught them problem-solving strategies.

Presentations

Atmospheres of Brown Dwarfs. Ruoyan Wang, Christopher Seay, *Jonathan Fortney, Caroline Morley*. 231st Meeting of the American Astronomical Society, 2018. Poster Presentation

Modeling Brown Dwarf Atmospheres. Ruoyan Wang, Christopher Seay, Adam Smith, *Jonathan Fortney, Caroline Morley*. University of California-Santa Cruz, 8th Annual Physical and Biological Science Summer Research Symposium, 2017. Poster Presentation

Atmospheric Models of Brown Dwarfs. Ruoyan Wang, Christopher Seay, Dillon Teal, *Jonathan Fortney, Caroline Morley, Mark Marley*. University of California-Santa Cruz, 7th Annual Physical and Biological Science Summer Research Symposium, 2016. Poster Presentation

Awards

Undergraduate Dean's Scholarships and Awards, 2014-2017