

QIYU SONG (宋祁钰)

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EDUCATION EXPERIENCE

Harvard University, Cambridge, MA, US

Sep. 2021 - Present

Ph.D. in Earth and Planetary Sciences

Peking University, Beijing, China

Sep. 2017 - Jun. 2021

Bachelor of Atmospheric Sciences (School of Physics)

- Overall GPA: 3.86/4.00 (ranked top 10% in school of physics)

Zhengzhou Foreign Language School, Zhengzhou, Henan, China

Sep. 2014 - Jun. 2017

Senior high school

- College Entrance Exam: 682/750 (ranked 16 in 866K in Henan)

PUBLICATIONS

- **Song, Q., & Kuang, Z.** Physically Interpretable Emulation of a Moist Convecting Atmosphere with a Recurrent Neural Network. (in revision for *GRL*). [[link](#)]
- **Song, Q., Yang, J., Luo, H., Li, C., & Fu, S.** (2022). Idealized 2D Cloud-resolving Simulations for Tidally Locked Habitable Planets. *The Astrophysical Journal*, 934(2), 149. [[link](#)]

TALKS

- **AGU Fall Meeting 2024**, Washington D. C.
Song, Q., & Kuang, Z.: Understanding Moist Convecting Atmosphere through a Machine-Learning Emulator ([abstract](#))
- **AOFD 2024**, Burlington
Song, Q., & Kuang, Z.: From Linear to Nonlinear: Advancing Data-Driven Convective Parameterization ([abstract](#))

POSTERS

- **AGU Fall Meeting 2023**, San Francisco
Song, Q., & Kuang, Z.: Dynamics of Convectively Coupled Equatorial Waves: A Data-Driven Convection Parameterization Approach. ([abstract](#))
- **2021 National Planetary Science Conference of the Chinese Geophysical Society**, Suzhou
Song, Q., Yang, J., Luo, H., Li, C., & Fu, S.: Idealized 2D Cloud Resolving Simulations for Tidally Locked Habitable Planets
- **AGU Fall Meeting 2020**, online
Song, Q., Li, C., Fu, S., & Yang, J.: Resolving Clouds on Tidally Locked Rocky Planets Part I: 2D Idealized Experiments ([abstract](#))
- **KLPS 2019 Meeting**, Chengdu
Song, Q., Li, C., & Yang, J.: Simulation of Atmosphere of Giant Planets with a 3D Cloud-Resolving Model

AWARDS AND HONORS

- Outstanding Graduate, Regular Institutions of Higher Education in Beijing (awarded by the Beijing Municipal Education Commission), 2021
- Outstanding Graduate, Peking University, 2021
- Weiming Physics Student (Honors Degree), School of Physics, Peking University, 2021
- Outstanding Undergraduate Thesis, Dept. of Atmospheric and Oceanic Sciences, Peking University, 2021

- Honorable Mention of Mathematical Contest for Modeling, 2020
- Lee Wai Wing Scholarship, 2019
- Wu Yu Ting Scholarship, 2018
- Merit Student, Peking University, awarded twice in 2018 and 2019
- The Second Prize of Freshman Scholarship, Peking University, 2017
- Gold Medal (1st prize) of Chinese Physics Olympiad (CPhO), 2016

ADDITIONAL INFORMATION

Extracurricular Experience (Selected)

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| • Minister of student rights of the PKU Student Union | Sept 2018 – Jul 2019 |
| • Planner and volunteer teacher in <i>Yuyan</i> Aid Education Project | Oct 2017 – Feb 2018 |