

# ZIHAO YANG 杨子浩

## PERSONAL INFORMATION

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DATE OF BIRTH: March 11, 1996  
PLACE OF BIRTH: Huangchuan, Henan Province, China  
CITIZENSHIP: Chinese  
PHONE: +86-13031087979  
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## EDUCATION

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2015-2019 B. Sc. majoring in Space Science and Technology at School of Earth and Space Sciences, Peking University (PKU), Beijing, China  
2014-2015 Huangchuan No. 1 High School, Henan, China  
2011-2014 Huangchuan High School, Henan, China

## RESEARCH EXPERIENCE

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1. FEB. 2017 - JAN. 2018 Undergraduate research at **Institute of Space Physics and Applied Technology (ISPAT), Peking University, China**  
*Supported by the Recruitment Program of Global Experts of China, the Max-Planck Partner Group program and Undergraduate Research Training Program of PKU*  
Topic: Solar Tornadoes Observed with the Interface Region imaging Spectrograph  
Advisor: Hui Tian
2. JUL. 2018 - SEPT. 2018 Summer research at **High Altitude Observatory (HAO), National Center for Atmospheric Research (NCAR), Boulder, CO, USA**  
Topic: Finding high frequency waves in solar corona & Mapping coronal magnetic field through Alfvénic wave observations  
Advisor: Steven Tomczyk & Scott McIntosh
3. FEB. 2019 – JUN. 2019 Research for thesis of Bachelor's degree at **Institute of Space Physics and Applied Technology (ISPAT), Peking University, China**  
Topic: Mapping Coronal Magnetic Field Through Alfvénic Wave Observations (continued)  
Advisor: Hui Tian
4. JUL. 2019 – AUG. 2019 Summer research at **Mullard Space Science Laboratory (MSSL), University College London (UCL), United Kingdom**

## SCIENTIFIC PUBLICATIONS

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First-author publications:

1. Yang, Z., Tian, H., Peter, H., Su, Y., Samanta, T., Zhang, J., & Chen, Y. (2018). Two Solar Tornadoes Observed with the Interface Region Imaging Spectrograph. *The Astrophysical Journal*, 852(2), 79.

Other publications:

2. Chen, Y., Tian, H., Su, Y., Qu, Z., Deng, L., Jibben, P. R., Yang, Z.,... & Wang, L. (2018). Diagnosing the magnetic field structure of a coronal cavity observed during the 2017 total solar eclipse. *The Astrophysical Journal*, 856(1), 21.
3. Chen, Y., Tian, H., Xu, Z., Xiang, Y., Fang, Y., & Yang, Z. (2017). Ellerman bombs observed with the new vacuum solar telescope and the atmospheric imaging assembly onboard the solar dynamics observatory. *Geoscience Letters*, 4(1), 30.

## AWARDS

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JUN. 2019	Excellent Graduate, Peking University
MAY 2019	Excellent Project Award for Peking University Undergraduate Principal's Funding 2018, Peking University
DEC. 2018	Merit Student of Academic Year 2017-2018, Peking University
DEC. 2018	Leo KoGuan Scholarship (10,000 RMB), Peking University
NOV. 2018	Excellent Undergraduate Research Program for the 2017-2018 Academic Year, School of Earth and Space Sciences, Peking University
NOV. 2018	Golden Award of SESS Academic Wishing Star for the 2017-2018 Academic Year, School of Earth and Space Sciences, Peking University
NOV. 2017	Golden Award of SESS Academic Wishing Star for the 2016-2017 Academic Year, School of Earth and Space Sciences, Peking University
NOV. 2013	High School Merit Student of Academic Year 2013-2014 of Henan Province, Department of Education, Henan Province

## SCIENTIFIC MEETING PRESENTATIONS

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1. Yang, Z.: Two Solar Tornadoes Observed with the Interface Region Imaging Spectrograph, Pasadena, COSPAR 2018, CA, USA, Jul. 14-22, 2018, **oral presentation**
2. Yang, Z.: Solar Tornadoes Observed with IRIS: Rotating Motion of Prominence Materials, CGU 2017, Beijing, Oct. 15-18, 2017, poster presentation
3. Yang, Z.: Solar Tornadoes Observed with IRIS, the 4<sup>th</sup> International Space Weather Conference (Chinese), Beijing, Aug. 1-4, 2017, **oral presentation** (in Chinese)

## PROFESSIONAL ACTIVITIES

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Reviewer for *The Astrophysical Journal* (during undergraduate study).

## OTHER PROFESSIONAL EXPERIENCES

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1. MAY 2017 Attending Solar EUV Spectroscopy Workshop (太阳极紫外光谱研讨会) hosted in Beijing
2. JUL. 1, 2018 Attending The 2nd Workshop on China Large Solar Coronagraph (我国大型日冕仪第二次研讨会) hosted in Weihai, Shandong
3. JUL. 2-4, 2018 Attending Solar Eruption Workshop (太阳爆发学术研讨会) hosted in Weihai, Shandong
4. SEPT. 22-24, 2018 Visiting University of Kiel (Christian-Albrechts-Universität zu Kiel) in Kiel, Germany and presented an oral report
5. SEPT. 25-28, 2018 Visiting Max-Planck Institute for Solar System Research in Göttingen, Germany and presented an oral report
6. OCT. 1, 2018 Visiting Helmholtz-Centre Potsdam - German Research Centre for Geosciences (GFZ) in Potsdam, Germany and presented an oral report
7. JUL. 23-25, 2019 Attending "Preparing for the next generation of ground-based solar physics observations" Workshop hosted in MSSL, United Kingdom and presented an oral report on behalf of Dr. Hui Tian
8. AUG. 5-7, 2019 Visiting Northumbria University in Newcastle, United Kingdom on discussion of CoMP data analysis with Dr. Richard Morton

## LANGUAGE PROFICIENCY

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CHINESE: Native Speaker

ENGLISH: Fluent (TOEFL Score: 110, October, 2016)

GERMAN: Beginner

## COMPUTER SKILLS

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IDL, C, Python, MATLAB, LaTeX