

# ZHANG ZEKANG

## PERSONAL INFORMATION

*Date of Birth*      16 May 1997  
*Address*            80 Nandan Rd.  
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                         China  
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## INTERESTS

Epoch of Reionization; Weak gravitational lensing cosmology; High-z galaxies;  
Dark universe; Machine learning

## EDUCATION

<i>Master of Astrophysics</i>	2021-2023	Shanghai Astronomical Observatory Shanghai, China
	Two-year Research	
	2020-2021	University of Chinese Academy of Sciences Beijing, China
	GPA 8.4/10.0	
<i>Bachelor of Physics</i>	2015-2019	Jilin University Jilin, China
	GPA 8.2/10.0	

## PUBLICATIONS & EXPERIENCES

<i>Submitted to MNRAS</i>	2022	"Impact of the turnover in the high-z galaxy luminosity function on the 21-cm signal during Cosmic Dawn and Epoch of Reionization"
	2020-2023	Member of the reionization science team of SKA China
	Constrained the EoR 21-cm signals using high-z galaxy UV LF observation. Focusing on constraining none-standard dark matter models utilising redshifted 21-cm line.	
	2020-2023	Member of the cosmic shear science team for the Chinese Space Station Telescope
	Deeply involved in building up an end-to-end pipeline for cosmic shear science. Developing a new galaxy shape measurement method using Deep Learning technique.	

## SKILLS

<i>Programming</i>	PYTHON, L <sup>A</sup> T <sub>E</sub> X, Linux, Matlab
<i>Language</i>	ENGLISH (Academic talk and writing)