

Research Interests	I am interested in how the early Universe and its components such as galaxies and black holes evolved. I am further interested in creating/using theoretical models and hydrodynamical simulations to study early structure formation.	
Education	<i>Doctor of Philosophy in Astronomy</i>	Expected completion 2026
	Astronomy Department, University of Texas at Austin, Austin, Texas	
	<i>Master of Arts in Astronomy</i>	August 2023
	Astronomy Department, University of Texas at Austin, Austin, Texas	
	<i>Bachelor of Science in Astrophysics, Minor in Physics</i>	May 2021
	Barrett Honors College, Arizona State University, Tempe, Arizona	
	Average unweighted GPA: 4.0/4.0	
Publication	Jeon, J. et al. (2023). <i>Observability of Low-Luminosity AGN in the Early Universe with JWST</i> . https://ui.adsabs.harvard.edu/abs/2023MNRAS.524..176J/abstract . Published in MNRAS	
	Jeon, J. et al. (2022). <i>Maximal X-ray feedback in the pre-reionization Universe</i> . https://ui.adsabs.harvard.edu/abs/2022MNRAS.515.5568J/abstract . Published in MNRAS	
Teaching	Practical Introduction to Research	2021
	<ul style="list-style-type: none">• Guided students through in-class activities such as coding, writing resume, and making posters, providing them with introductory skills in academia.• Prepared coding and lecture modules for the students, leading the students to understand the concepts.	
	Cosmology	2022
	<ul style="list-style-type: none">• Explained course topics to students after class, helping them individually to grasp lecture concepts that they might not have fully understood.• Guided students through their homeworks, assisting them in understanding questions and steps to solve various cosmology problems.	
Research Experiences	<i>Studying galaxies at $z \sim 6$</i>	2019 - 2021
	Arizona State University	
	Dr. Rogier Windhorst	
	<ul style="list-style-type: none">• Modeled 53 galaxies using the CIGALE code for SED modeling and determined 47 with valid models with data from previous papers and also extracted data from SDF K-band to add flux data points to the models• Worked as the primary author in the paper detailing the creation and analysis of the models• Analyzed the models to determine the fraction of high escape fraction galaxies around $z = 6$ and concluded on their significance on reionization	