## Abigail J. Lee

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EDUCATION	
University of Chicago  Ph.D. Student, Astronomy & Astrophysics  Advised by Wendy Freedman	Chicago, IL Expected 2024
University of Pennsylvania	Philadelphia, PA
B.A., Physics (with Honors); Minors in Mathematics and Classical Studies, summa cum laude Advised by Gary Bernstein	May 2019
Awards & Fellowships	
Chambliss Astronomy Achievement Award for Best Poster 237th Meeting of the American Astronomical Society	2021
McCormick Fellowship University of Chicago	2019 - 2021
Elaine K. Bernstein Women in Science Award University of Chicago	2019
NASA Pennsylvania Space Grant Undergraduate Scholarship $NASA$	2018
University Scholars Research Grant University of Pennsylvania	2016, 2017
Research Positions	
Graduate Research Assistant, UChicago Undergraduate Research Assistant, Penn Summer Undergraduate Research Assistant, Stanford KIPAC Summer Undergraduate Research Assistant, Max Planck Institute for Gravitational Physics Summer Intern, NASA Jet Propulsion Laboratory	2019 - Present 2016 - 2019 2018 s 2017 2017
Publications	202.
1. Lee, A. J., Freedman, W. L., Madore, B. F., Owens, K. A., Monson, A. J., Hoyt, T. J. Distance Scale III: Distance to the Local Group Galaxy WLM using Multi-Wavelength C Tip of the Red Giant Branch, Cepheids, and JAGB Stars. 2021, ApJ, 907 112.	
2. Vishnubhotla, R., Ping. J., Gao, Z., <b>Lee, A.</b> , Saouaf, O., Vrudhula, A., Johnson, A. T. Graphene Aptasensors for Drug Quantification 2017, AIP Advances 7, 115111.	C. Scalable
Telescope Allocations	
Co-I: HST (PI: Wendy Freedman)  An Independent Appraisal of the Cepheid Distance Scale	2020
Co-I: HST (PI: Wendy Freedman) Absolute Magnitude Calibration of Type Ia SNe at 1%	2020
TEACHING EXPERIENCE	
Guest Lecturer, UChicago, ASTR 12710, Galaxies	2020
Teaching Assistant, UChicago, ASTR 12710, Galaxies	2020
Teaching Assistant, UChicago, ASTR 12700, Stars	2019

2019

2018, 2019

Teaching Assistant, Penn, PHYS 150, Classical Mechanics

Observing Labs Teaching Assistant, Penn, ASTR 001, Survey of the Universe

Teaching Assistant, Penn, PHYS 102, E&M, Optics, and Modern Physics Lab Teaching Assistant, Penn, PHYS 101, Classical Mechanics Tutor, Penn Physics Department	2018 2017 2016, 2017
Contributed Talks	
Distance to WLM Using Observations of the TRGB, Cepheids, and JAGB Star 237th Meeting of the American Astronomical Society	rs 2021
Characterizing the temporal variability of backscatter in prep. for the NISAR $2017\ AGU\ Fall\ Meeting$	mission 2017
Characterizing Backscatter Variability using UAVSAR 2017 Gulf Coast Undergraduate Research Symposium	2017
Improved Performance in Graphene & $MoS_2$ FETs using a BN Isolation Layer 2017 Emerging Researchers National Conference in STEM	2017
Servce & Outreach	
Advising & Mentorship Working Group  UChicago Astronomy & Astrophysics Department	2020 — Present
Inclusion, Diversity and Equity in Astronomy Club Member UChicago Astronomy & Astrophysics Department	2019 – Present
Graduate Student Peer Mentor UChicago Astronomy & Astrophysics Department, Society of Women in Physics	2019 — Present
Instructor Space Explorers Institute	2019 — Present
Faculty Meeting Graduate Student Representative UChicago Astronomy & Astrophysics Department	2019 - 2020
Board Member Penn Society of Physics Students	2018 - 2019
Observing Nights Organizer Penn Physics & Astronomy Deptartment	2018 - 2019
Astronomy Tutor	2018 - 2019

Veterans Upward Bound