Stanford

Roy Zhao

Ph.D. Student in Physics, admitted Summer 2026

Bio

HONORS AND AWARDS

- The Physical Sciences Prize for Excellence in Teaching, The University of Chicago (May 2025)
- Dean's Prize for Excellence in Research, UCLA (May 2023)

EDUCATION AND CERTIFICATIONS

- Master of Science, The University of Chicago , Physics (2026)
- Bachelor of Arts & Science, UCLA , Physics & Philosophy (2023)

Publications

PUBLICATIONS

- **SOFIA/HAWC plus Far-infrared Polarimetric Large Area CMZ Exploration Survey. V. The Magnetic Field Strength and Morphology in the Sagittarius C Complex** *ASTROPHYSICAL JOURNAL*
  Zhao, R. J., Morris, M. R., Chuss, D. T., Pare, D. M., Guerra, J. A., Butterfield, N. O., Wollack, E. J., Karpovich, K.
  2025; 988 (2)
- **SOFIA/HAWC plus Far-infrared Polarimetric Large-area CMZ Exploration Survey. IV. Relative Magnetic Field Orientation throughout the CMZ** *ASTROPHYSICAL JOURNAL*
  Pare, D. M., Chuss, D. T., Karpovich, K., Butterfield, N. O., Iuliano, J., Pan, X., Wollack, E. J., Zhang, Q., Morris, M. R., Nilsson, M., Zhao, R. J.
  2025; 978 (1)
- **A High-Throughput Workflow to Analyze Sequence-Conformation Relationships and Explore Hydrophobic Patterning in Disordered Peptoids.** *Chem*
  Day, E. C., Chittari, S. S., Cunha, K. C., Zhao, R. J., Dodds, J. N., Davis, D. C., Baker, E. S., Berlow, R. B., Shea, J. E., Kulkarni, R. U., Knight, A. S.
  2024; 10 (11): 3444-3458
- **Dust in high-redshift galaxies: reconciling UV attenuation and IR emission** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*
  Zhao, R. J., Furlanetto, S. R.
  2024
- **Insights into conformational ensembles of compositionally identical disordered peptidomimetics.** *Polymer chemistry*
  Day, E. C., Cunha, K. C., Zhao, R. J., DeStefano, A. J., Dodds, J. N., Yu, M. A., Bemis, J. R., Han, S., Baker, E. S., Shea, J. E., Berlow, R. B., Knight, A. S.
  2024; 15 (29): 2970-2980

PRESENTATIONS

- From the Galactic Center to the Galactic Disk - American Astronomical Society