

Curriculum Vitae

Zijin Zhang

Zijin Zhang

Earth, Planetary and Space Sciences, University of California, Los Angeles, CA 90095

zijin@ucla.edu

0000-0002-9968-067X

Education

- **Graduate student in Planetary Science**, *University of California, Los Angeles*, 2022-present
- **B.Sc. in Space Physics and B.Eng. in Computer Science**, *University of Science and Technology of China*, 2018-2022

Research Interests

- Solar wind and wave-particle interactions
- Computational plasma physics and application of data science in space science
- Solar physics, heliophysics and experimental space science

Publications

- **Zhang, Z.**, Artemyev, A., Mourenas, D., Angelopoulos, V., Zhang, X.-J., & Kasahara, S. (2024). Relativistic electron flux decay and recovery: Relative roles of EMIC waves, whistler-mode waves, and plasmashet injections. ResearchGate (to be submitted to JGR: Space Physics). DOI: [10.13140/RG.2.2.25908.01920](https://doi.org/10.13140/RG.2.2.25908.01920)
- Margot, J.-L., Li, M. G., Pinchuk, ... **Zhang, Z.** (2023). A search for technosignatures around 11680 stars with the green bank telescope at 1.15–1.73 GHz. *Astronomical Journal*, 166(5), 206. DOI: [10.3847/1538-3881/acfda4](https://doi.org/10.3847/1538-3881/acfda4)

- **Zhang, Z.**, & Tao, X. (2022). The kinetic simulation of the interaction between the Moon's magnetic anomalies and the solar wind [Undergraduate Thesis, University of Science and Technology of China]. DOI: [10.13140/RG.2.2.15841.68968](https://doi.org/10.13140/RG.2.2.15841.68968)

Presentations

- **Zhang, Z.**, Artemyev, A., Angelopoulos, V., & Chen, S. (2023, December 14). Solar wind discontinuities spatial evolution and energetic ion scattering. American Geophysical Union. DOI: [10.13140/RG.2.2.12905.67682](https://doi.org/10.13140/RG.2.2.12905.67682)
- **Zhang, Z.**, Artemyev, A., Mourenas, D., Angelopoulos, V., & Zhang, X.-J. (2023, December 12). Relativistic electron flux decay and recovery: Relative roles of EMIC waves, whistler-mode waves, and plasmasheet injections. American Geophysical Union. DOI: [10.13140/RG.2.2.33038.33607](https://doi.org/10.13140/RG.2.2.33038.33607)
- **Zhang, Z.**, Artemyev, A., Mourenas, D., Angelopoulos, V., & Zhang, X.-J. (2023, June 22). Relativistic electron flux decay and recovery: Relative role of EMIC waves, whistler-mode waves, and plasmasheet injections. Geospace Environment Modeling. DOI: [10.13140/RG.2.2.33038.33607](https://doi.org/10.13140/RG.2.2.33038.33607)

Research Experience

- Graduate Student Researcher, *Experimental Space Physics Group*, 2022-present
Study energetic ion scattering by solar wind discontinuities. 2022-present. [Project web-site](#).
- Undergraduate Research Assistant, *Artificial Intelligence of Things Lab*, 2021-2022
Implemented a distributed system to monitor edge devices and automate IT deployment and management