

EDUCATION

- 2022–Present PhD in Geological Sciences, Arizona State University
- 2022 BS in Earth and Space Exploration (Geological Sciences), Arizona State University

GRANTS

- 2023 Future Investigators in NASA Earth and Space Science Technology (FINESST)

PUBLICATIONS

- 2024 **Austin, T. J.**, O'Rourke, J. G., Izenberg, N., Silber, E. A., "Meteor Airburst Scars and the Resurfacing History of Venus," in preparation.
- 2024 **Austin, T. J.**, O'Rourke, J. G., Izenberg, N., Silber, E. A., "A Survey of Venus' Windblown Ejecta Deposits Reveals Recent Resurfacing and Is Compatible with True Polar Wander," in preparation.
- 2024 **Austin, T. J.**, Robinson, M. S., Mahanti, P., "Ejecta Blankets at Small Craters on the Moon," *Planetary Science Journal*.

CONFERENCE PRESENTATIONS

- 2023 **Austin, T. J.**, Robinson, M. S., Mahanti, P., "Ejecta Thickness and Morphology at Small Lunar Craters," American Geophysical Union Meeting
- 2023 **Austin, T. J.**, O'Rourke, J. G., Izenberg, N., Silber, E. A., "Global Resurfacing and the Spatial Distribution of Airburst Scars," Venus as a System Conference (talk)
- 2023 **Austin, T. J.**, O'Rourke, J. G., Izenberg, N., Silber, E. A., "Meteoroid Airburst Scars on Venus," EnVision Workshop (talk)
- 2023 **Austin, T. J.**, O'Rourke, J. G., Izenberg, N., Silber, E. A., "Venus Airbursts: Implications for Global Resurfacing," 54th LPSC (talk)
- 2023 **Austin, T. J.**, Robinson, M. S., Mahanti, P., "Measuring Lunar Ejecta Thickness at Small Copernican Craters," 54th LPSC (poster)
- 2023 **Austin, T. J.**, Scott, C. P., "Changes in Water Level at Lake Mead (2012 to 2022) Calculated from Planet Imagery," ASU Planet Showcase (talk)

RESEARCH EXPERIENCE

- 2022 NewSpace, Research Assistant
- 2022 Lunar Reconnaissance Orbiter Camera, Research Assistant
- 2021-2022 Bell Research Group, Mastcam-Z, Research Analyst
- 2021 Prolific Mining, Field Intern

TEACHING EXPERIENCE

- 2022 Arizona State University, Teaching Assistant; SES 100: Introduction to Exploration
- 2022 Arizona State University, Teaching Assistant; SES 405: Exploration Systems Engineering