

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