


Kevin M. Cannon

Planetary Scientist

Driven, exploration-focused planetary geologist with 10+ years of research experience; expertise in remote sensing, planetary materials, resource prospecting, and space development.

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Work Experience

Post-doctoral Researcher

University of Central Florida

06/2017-present

- Led teams on multiple research projects related to resources and materials on the Moon, Mars, and asteroids.
- Performed applied research studies for lunar development and space mining companies.
- Published in peer-reviewed journals including *Nature*.
- Wrote winning NASA grant proposals.
- Mentored undergraduate researchers.

Founder & Operator, Exolith Lab

06/2018-present

- Founded and ran a research lab dedicated to producing and distributing high-quality planetary soil simulants.
- Supplied 1000s of kg of simulated planetary materials to NASA, ESA, major aerospace companies, universities.
- Managed supply chain, warehouse facility, equipment, manufacturing/distribution, marketing, customer relations.

Education

Ph.D., Earth, Environmental and Planetary Sciences

Brown University

2017

M.Sc, Geological Sciences

Brown University

2014

B.ScH, Geological Sciences

Queen's University

2012. GPA of 4.2. Dean's Honour List with Distinction; Medal in Geological Sciences

Technical Skills

Remote Sensing & GIS

Visible and infrared spectroscopy, satellite and rover-based data analysis, mineral identification and quantification, resource prospecting, landing site & terrain analysis.

Tools: MATLAB, ENVI, ArcGIS

Planetary Materials Processing & Analysis

Mineral and rock synthesis, regolith simulant synthesis, mineral and chemical composition analysis, physical properties analysis (particle size/strength/density).

Tools: X-ray diffraction, X-ray fluorescence, SEM, microprobe,

Research & Data Analysis

Literature surveys, hypothesis-driven research, automated data processing & analysis.

Tools: MATLAB, Python, Shell scripting, MS Office

Data Presentation & Graphic Design

Data display, raster & vector graphics, animations, videos, website design, print design.

Tools: Adobe Photoshop, Adobe Illustrator, Adobe Premiere Pro, Blender, Igor Pro, HTML/CSS, PHP.

Soft Skills

Written Communication

Leadership

Punctuality

Attention to Detail

Efficiency

Public Speaking