

GRANT HOLLY

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EDUCATION

Georgia Institute of Technology

July 2022 - May 2026

- Bachelor of Science in Solid Earth & Planetary Sciences
- Zell Miller Scholarship

RESEARCH EXPERIENCE

EarthScope Consortium Internship

June 2025 - August 2025

- Deployed field instrumentation to monitor local seismicity
- Conducted active-source surveys and interpreted resulting waveforms
- Constructed synthetic interferograms of numerous fault systems
- Applied remote sensing techniques (InSAR) to assess surface deformation

Planetary Geophysics Research, Georgia Institute of Technology

January 2025 - Present

- Utilized planetary GIS tools (JMARS) to map crater flows on Venus

Cryospheric Research, Georgia Institute of Technology

September 2023 - Present

- Assessed surface mass balance variability due to changes in surface temperature of the Greenland ice sheets
- Analyzed potential warnings of Greenland approaching a critical transition in its stability
- Developed detailed contour maps of surface mass balance (SMB) and surface temperature across all of Greenland
- Identified regions of Greenland that dominate the variability in surface mass balance (SMB)

AWARDS

National Association of Black Geoscientists Undergraduate Scholarship

August 2025

TECHNICAL SKILLS

- Programming: MATLAB, Python
- Software: JMARS, ParaView
- Field Work: Deploying geophones and seismometers, Seismic Survey Design