

Hannah M Fisher

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EDUCATION

Ph.D. in Aeronautics and Astronautics, Stanford University (in progress)	2025- present
M.S. in Aeronautics and Astronautics, Stanford University (in progress)	2025- present
B.S. in Mechanical Engineering with minor in Geophysics, California Institute of Technology	2024

PROFESSIONAL EXPERIENCE

Fulbright Scholar and Researcher , Technische Universität Berlin, Germany	Sep 2024- July 2025
Mechanical and Materials Engineering Intern , SpaceX, CA	June- Sep 2023
Automation and Controls Engineering Intern , Heliogen, Inc., CA	June- Sep 2022
Software Engineering Intern , NASA Jet Propulsion Laboratory, CA	May- July 2021
Software Engineering Intern , NASA Johnson Space Center, TX	Jan- Apr 2021
Software Engineering Intern , Streem, Inc., OR	Sep- Dec 2020
Undergraduate Research Fellow , University of California San Diego, CA	June- Aug 2020

FELLOWSHIPS AND AWARDS

Stanford Graduate Fellowships in Science & Engineering , Stanford University	2025
EDGE Fellowship , Stanford University	2025
Fulbright Germany Open Study/Research Grant , German-American Fulbright Commission	2024
Outstanding Teaching Assistant Award , Caltech Department of Mechanical and Civil Engineering	2024
1st Place, Vodopia-Hasson Poster Competition , Caltech SURF Seminar Day	2020
Summer Undergraduate Research Fellowship (SURF) , Caltech (for research at UC San Diego)	2020

TEACHING EXPERIENCE

- Teaching Assistant**, ME 72, Engineering Design Laboratory, Caltech, 2023-2024
Teaching Assistant, ME 12, Mechanics, Caltech, 2022-2024
Teaching Assistant, CS 1, Introduction to Computer Science, Caltech, 2021

PUBLICATIONS

- Submitted, under review:* **H Fisher**, J Patzwald, T Griemann, L Overmeyer, E Stoll. Influence of Particle Size on Laser Beam Melting of Lunar Regolith Simulant. *Advances in Space Research* (2025).
J Patzwald, F Schiperski, **H Fisher**, T Neumann, E Stoll. The chemistry and mineralogy of the LX high-fidelity lunar regolith simulants. *Planetary and Space Science* (2025).

CONFERENCE POSTERS

- H Fisher**, J Patzwald, T Griemann, M Raupert, C Lotz, L Overmeyer, E Stoll. Laser Beam Melting of Lunar Regolith Simulant Under Lunar Conditions System Progress and Initial Results. *Space Resources Week* (2025), Luxembourg.