Hannah M. Fisher

Stanford University, Department of Aeronautics and Astronautics
496 Lomita Mall
Stanford, CA 94305
hmfisher@stanford.edu
503-828-6472

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 Griemsmann, 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 Griemsmann, 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.