

# Hannah M Fisher

Stanford University, Department of Aeronautics and Astronautics  
496 Lomita Mall  
Stanford, CA 94305

[hmfisher@stanford.edu](mailto:hmfisher@stanford.edu)

## 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**, Stroom, 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.