

Emily Whittaker

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Education

University of California, Los Angeles (UCLA) Expected Jun. 2026
PhD: Planetary Science

University of Maryland, College Park (UMD) May 2021
BS: Physics, Astronomy

Experience

Graduate Student Researcher Sep. 2021–present
Jean-Luc Margot; UCLA

Research Assistant Aug. 2020–May 2021
Eliza Kempton, Matej Malik; UMD

Summer Intern June–Aug. 2020
George Helou, Frank Masci; Caltech GROWTH SURF

Research Assistant Aug. 2019–May 2020
Drake Deming; UMD

Summer Intern June–Aug. 2019
Patrick Taylor, Ed Rivera-Valentín; Lunar and Planetary Institute

Research Assistant Jul.–Aug. 2018
Suvi Gezari; UMD

Awards and Honors

Cota-Robles Fellowship 2021–2022, 2024–2025
UCLA

Departmental Scholarship 2021–2022
Earth, Planetary and Space Sciences, UCLA

High Honors in Astronomy May 2021
UMD

Honors College Citation: Design Cultures and Creativity May 2019

Select Works

- Analysis of Two-Band WISE Observations of Asteroids** Apr. 2023
Planetary Science Journal, First Author
- Determination of 1929 Asteroid Rotation Periods from WISE Data** Apr. 2023
Planetary Science Journal, Third Author
- Analysis of Two-Band WISE Observations of Asteroids** Dec. 2022
Division of Planetary Science Meeting Abstract, First Author, Talk
- The Detectability of Rocky Planet Surface and Atmosphere Composition with JWST: The Case of LHS 3844b** Nov. 2022
Planetary Science Journal, First Author
- A Search for Signatures of Volcanism and Geodynamics on the Hot Rocky Exoplanet LHS 3844b** Mar. 2021
James Webb Space Telescope Accepted Observing Proposal, Investigator
- Uncertainty Assessment of Near-Earth Asteroid Size Measurements from Radar Images** Jan. 2020
Lunar and Planetary Science Conference Abstract, First Author, Talk (Conference Cancelled)

Teaching and Outreach

- Teaching Assistant, Astrobiology (EPS SCI 3), UCLA** Sep.–Dec. 2022
- Exploring Your Universe Volunteer, UCLA** Nov. 2022
- Interview, New Scientist** Jul. 2022
- Summer Literacy Program Science Volunteer, Boone United Methodist Church** Jul. 2021
- WMUC Radio Show Co-host: *Radio Astronomy*, UMD** 2018–2021