

Maya Hall

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EDUCATION

- Ph.D. Ecology and Evolution**, Rutgers, The State University of New Jersey *Expected 2031*
Incoming student (Fall 2026)
Advisor: Dr. David Klinges
- M.S. Environmental Science**, American University *August 30, 2021–May 13, 2023*
Thesis: *Investigating the Variability of Urban Tree Phenology Using Volunteer-Hosted Phenocams*
GPA: 3.96
Advisor: Dr. Michael Alonzo
- B.S. Wildlife Ecology and Conservation**, University of Delaware *August 28, 2014–May 26, 2018*
GPA: 3.42
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PROFESSIONAL EXPERIENCE

- 2025–2026 **NASA WERK Research Assistant**, Bay Area Environmental Research Institute, NASA Ames Research Center
- 2023–2025 **NASA DEVELOP Impact Analysis Fellow**, Analytical Mechanics Associates, NASA Ames Research Center
- 2021–2023 **Graduate Research & Teaching Assistant**, Alonzo Lab, American University
- 2021–2022 **Environmental Educator**, The Alice Ferguson Foundation
- 2019–2021 **Community Engagement Coordinator**, Rock Creek Conservancy
- 2019 **Quantitative Ecology Intern**, Smithsonian Environmental Research Center
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RECENT PROJECTS

- 2025–2026 *Wildfire, Ecosystem Resilience, and Risk Assessment (WERK) Initiative* (NASA/Bay Area Environmental Research Institute, PI: Dr. Ian Brosnan, Project Scientist: Dr. Taejin Park, Participated as Research Assistant)
- 2025–2026 *Forty years of diverging land use trajectories surrounding protected areas in the conterminous United States* (NASA/Bay Area Environmental Research Institute, PI: Dr. Ian Brosnan, First Author: Dr. Keiko Nomura, Participated as Research and Editing Support, manuscript in prep)
- 2025 *Framework for Optimized Research Generation & Execution* (Analytical Mechanics Associates, PI: John Abrams, Participated as Data Analyst)
- 2024 *San José Urban Development: Quantifying Canopy Cover and Land Surface Temperature in San José to Identify Future Tree Planting Sites* (NASA DEVELOP, Ames Research Center, PI: Dr. Morgan Gilmour, Participated as Science Advisor)

- 2024 *Hilo Bay Water Resources: Monitoring Water Quality in Hilo Bay, Hawaii to Support Future Community Planning* (NASA DEVELOP, Arizona State University, PI: Dr. Roberta Martin, Participated as Project Manager)
- 2023–2025 *Technical Editor for the following NASA DEVELOP projects: Kentucky Disasters, San Joaquin HAQ, Big Bend Ecological Conservation, Cali Urban Development I, Rhode Island Ecological Conservation, Northern Brazil Agriculture, Cali Urban Development II, Hilo Bay Water Resources, Clear Lake Volcanic Disasters, Iona Ecological Conservation, Central Park Ecological Conservation, San Jose Urban Development, Pennsylvania Water Resources, Moffat County Agriculture, Chatham County HAQ, Florida Ecological Conservation I, Puerto Rico Water Resources, Florida Ecological Conservation II, Coastal California Ecological Conservation, Harris County HAQ*
- 2023 *South Slough Water Resources: Monitoring Changes in Water Quality to Identify Stressors in Eelgrass Extent Throughout the Coos Estuary* (NASA DEVELOP, PI: Dr. Juan Torres-Perez, Participated as Researcher)
- 2021–2023 *Investigating the Variability of Urban Tree Phenology Using Volunteer-Hosted Phenocams* (American University, PI: Dr. Michael Alonzo, Participated as Graduate Researcher)

CONFERENCES AND PRESENTATIONS

- Attendee*, Science Day (Sacramento, CA) — September 2025
- Presenter*, The American Geophysical Union (AGU) Annual Meeting (Washington, D.C.) — December 2024
- Attendee*, Society of Asian Scientists and Engineers (SASE) National Convention (Boston, MA) — October 2024
- Emcee*, NASA DEVELOP HQ Showcase (Washington, D.C.) — August 2024
- Presenter*, The American Association of Geographers (AAG) Annual Meeting (Denver, CO) — March 2023
- Presenter*, Trees in the City Symposium (Virtual) — September 2022
- Attendee*, Smithsonian Women in Environmental Leadership Summit (Washington, D.C.) — September 2019

SKILLS AND CERTIFICATIONS

Skills

- Software/Programs*: QGIS, ArcGIS Pro, ENVI, Google Earth Engine, R, Python, Command Line (Bash, Unix/Linux)
- Laboratory/Field*: wildlife & vegetation identification, statistical analysis, data management, data sampling and field surveying
- Other*: scientific communication, technical report writing, oral presentations, grant writing, survey creation and distribution, partner relationship management, end user engagement, community planning, program management

Relevant Involvement

- Instructor*, Geospatial R Coding Workshop (Virtual) — October 2025
- Panelist*, NASA ROSES A.42 Disasters Solicitation Inclusion Plan Review (Virtual) — September 2024
- Founder*, NASA DEVELOP Mentorship Initiative (Virtual) — January 2024–March 2025
- Mentee/Participant*, Clean Water Coalition Young Professionals of Color (Virtual) — February 2021–April 2022

Certifications

- Software Carpentry Instructor Certification (The Carpentries) — August 2025
- GIS for Climate Action Certification (Esri MOOC) — March 2025
- Spatial Data Science Certification (Esri MOOC) — October 2024
- Inclusive STEM Teaching Certification (Boston University) — November 2022