

Ie'Jana Woodley

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9266 Slayter Union, Denison University, Granville, Ohio 43023

EDUCATION

Denison University, Granville, OH
Bachelor of Arts; Earth Science, Spanish Minor

Anticipated Spring 2025

Off-Campus Study

School for International Training (SIT), Ecuador: Comparative Ecology and Conservation

Spring 2024

Relevant Coursework:

Upcoming Spring 2025

EESC 333 Stable Isotopes in the Environment

Fall 2024

EESC 308 Paleontology

EESC 270 Oceanography

CHEM 131 Atoms and Molecules

Spring 2024

INTD 999 Independent Study Project

INTD 999 Spanish for Natural Science II

INTD 999 Comparative Tropical Ecology

SPAN 399 Environmental Research Meth

SPAN 399 Comparative Tropical Ecology

Fall 2023

EESC 314 Sediment/Stratigraphy

EESC 300 Geomorphology

EESC 211 Rocks, Minerals & Soils

Spring 2023

EESC 370 Global Tectonics

EESC 210 Historical Geology

RESEARCH EXPERIENCE

National Museum of Natural History, Mineral Science Department, Smithsonian Institution, Washington D.C.

Summer 2024

Intern

Ie'Jana Woodley, Courtney Wagner, Ioan Lascu, and Tim Gooding. *Imaging Magnetofossils in Situ*; research poster.

SIT Comparative Ecology and Conservation, Quito, Ecuador

Spring 2024

Student

Ie'Jana Woodley, Carolina Freire, Xavier Silvas, and Diana Serrano. *Análisis de la Geología, geomorfología y la variabilidad del Suelo en Pulinguí San Pablo para la conservación sostenible del suelo*; independent study project.

Sedimentology Research Lab, Denison University, Granville, OH

Spring 2023 - Present

Lab Assistant

- Conduct research in collaboration with Dr. Anjali Fernandes to understand the progression of climate change through the analysis of sedimentary rock grains
- Provide research support including crushing and analyzing sedimentary rock samples, maintaining a common research log, and downloading and organizing data
- Disaggregate samples utilizing a sonicator separating clay, sand, and gravel to analyze individual grains

Camp Arbutus Hayo-Went-Ha, Traverse City, MI

August 2023

Intern

- Conducted field survey of tree species on campgrounds and labeled various trees to construct an interactive scavenger hunt
- Formatted a map and information sheet to guide future participants and educate them on the trees in the area
- Developed methods independently to complete the project efficiently

Earth and Environmental Science Mojave Spring Trip, Southwest US, Various Locations

March 2023

Participant, Organizer

- Active participant in hands-on activities, mountain climbing, field presentations, rock and mineral exploration, and classification of rocks
- Packed equipment and gear for the trip and stored away equipment after returning
- Aided with chores cooking, cleaning, and field preparation of filling water jugs, and reorganizing caravans

RELEVANT EXPERIENCE

Historical Geology TA, Earth and Environmental Science, Granville OH

Spring 2025

Teaching Assistant

- Assist in the management of an introductory course (EESC 210)
- Assist in weekly laboratory management
- Hold office hours for students multiple times weekly

EPOC (People of Color in the Earth and Environmental Sciences) EESC Department, Granville OH

Fall 2024

Founder and President

- Develop initiatives aimed at fostering inclusivity and support to create a welcoming environment for people of color interested in Earth and Environmental Sciences at Denison University, with a focus on peer mentoring and networking
- Organize bi-weekly meetings with executive members and faculty, including one-on-one communication, assigning duties, and maintaining workflow
- Coordinate monthly meeting content and activities, as well as off-campus events, through poster making, in-person outreach/networking, food catering, and event logistics

Planet Earth TA, Earth and Environmental Science, Granville OH

Fall 2024

Teaching Assistant

- Assist in the management of two sections of introductory courses on Planet Earth (EESC 111)
- Hold office hours for students multiple times weekly

Denison University Gospel Choir, Granville, OH

Spring 2022 - Present

Teaching Assistant, Participant, Soloist

- Take meeting attendance, holding office hours for participants, aiding in poster-making for events
- Attend weekly rehearsal
- Perform in rhythmic cultural concerts

Earth and Environmental Science, Granville OH

Spring 2022 - Present

Student, Community Member

Tom Reed and Patrick DeMichael. *Bringing diversity to earth and environmental sciences*

- Attended and engaged in weekly Black history discussions during Black History Month
- Participate in community events, town hall meetings, student leadership events, and department dinners
- Established relationships with students, instructors, and faculty members and adapted department student/instructor relationships through communication and leadership providing peer support and mentorship

American Civil Liberties Union, Detroit, MI

Summer 2022

Canvasser

- Used strong communication and persuasion skills to encourage individuals to become donors at a minimum of \$20 a month to the ACLU, successfully raising thousands of dollars for the organization
- Educated community members about the history and impact of Roe v. Wade
- Represented the ACLU professionally and respectfully at all times demonstrating a commitment to social justice and civil liberties

Lifted Female Empowerment Club, Shrine Catholic High School, Royal Oak, MI

September 2019 - May 2021

Founder and President

- Organized biweekly meetings during and after classes and planned community service events
- Posted daily content online for members in between meetings
- Led tampon drive, clothing drive, pumpkin decorating event, and letter-writing campaign for teachers
- Maintained a close relationship with school administration and faculty

HONORS AND AWARDS

Fall 2024	American Geophysical Union Student Travel Grant
Summer 2024	National Science Foundation (REU Site, EAR-2244445)
Summer 2024	Smithsonian Women's Committee
Spring 2024	Frank J. Wright Scholarship
Spring 2024	Westminster Church of Detroit Berkho Scholarship
Fall 2021	Racquet Up Scholarship
Fall 2021	Springboard Scholarship Foundation
Fall 2021	Denison Alumni Award
Fall 2021	Denison Grant

SKILLS AND INTERESTS

Proficient in Spanish • ArcGIS • Microsoft Office • Basic Dragonfly Object Research Systems Operation • Basic Vibrating-Sample Magnetometer Management

Research Interests:

1. Environmental Magnetism
2. Biomagnetism
3. Paleooceanography
4. Paleoclimatology
5. Electron Microscope Techniques

MEMBERSHIPS

- American Geophysical Union Member
- Black Women in Ecology, Evolution, and Marine Science Member
- Geological Society of America
- Society for Advancement of Chicanos/Hispanics and Native Americans in Science Member