

# The Graticule Weekly

UGA Geography's Weekly Newsletter



Volcan Chimborazo, Ecuador

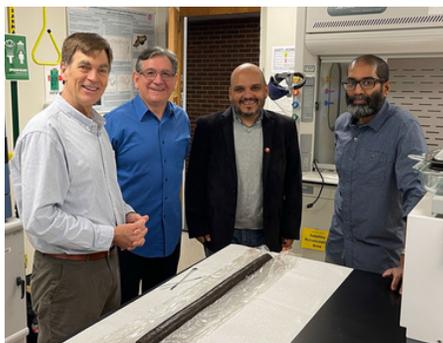
## RESEARCH SPOTLIGHT

### UGA Geographers explore effects of climate change in mountain lakes of Ecuador

By [Katie Price](#) for [@UGAResearch](#)

Chimborazo Province in Ecuador is a major agricultural center. Changes in freshwater availability and agricultural sustainability affect the province, with important cultural and economic implications for the region.

In September 2023, researchers from the University of Georgia Franklin College of Arts and Sciences Department of Geography traveled to collaborate with local Ecuadorian scientists on an investigation of past environmental conditions in the nearby Andes Mountains. Their goal was to assess regional hydroclimatic variability—changes through time not only in weather and climate, but also the associated ecology and water resources. The work is a component of a formal collaboration between UGA and Escuela Superior Politecnica de Chimborazo (ESPOCH), a science and engineering university in Riobamba, Ecuador.



(From left to right): David Leigh, Fausto Sarmiento, Renato Chávez, & David Porinchi

Geography Professor David Porinchi led the team in collecting sediment and water samples from two lakes within Sangay National Park, providing a snapshot of regional hydroclimatic conditions over the past 5,000 years. Paleoenvironmental records such as sediment cores—like the 30-foot core extracted from Laguna Kuyuk—provide scientists and resource managers with information from a wider range of conditions and scenarios than is available from modern data alone.

Since the team's return, the UGA team has begun analyzing samples for a suite of physical, chemical, and biological characteristics. The team's first priorities are to obtain X-ray images and X-ray fluorescence chemistry scans of the intact core and establish dates from as many locations as possible.

**[Continued on the next page](#)**



## Special Announcement



*In light of recent tragic events on UGA's campus, we'd like to remind everyone of resources available to assist those who need help processing this difficult moment for our community.*

*UGA encourages all community members who may need mental health support to utilize the following resources:*

### **For Students:**

#### Student Care and Outreach

706-542-8479

[sco@uga.edu](mailto:sco@uga.edu)

<https://sco.uga.edu/>

#### Counseling and Psychiatric Services

706-542-8479

<https://caps.uga.edu/>

[Click here for a general directory of Campus Resources for Students](#)

### **For Faculty and Staff:**

#### USG Mental Health Employee

[Resource Directory](#)



*Please download the new UGA Safe app from the Google Play or Apple App stores. Login using your UGA MyID or register as a guest to take advantage of a variety of safety features. For more information, please visit the [UGA Office of Emergency Preparedness website](#).*



# MARK YOUR CALENDAR

NEW

★ **Subscribe to our Events Calendar!** ★

UGA Geography now has a subscribable events calendar in Outlook. Keep up with all things UGA Geography directly from your UGA Mail account!

LEARN MORE 



**Tues.**  
**2/27**

February 27  
4:00 pm  
Ramsey Student Center

BeWellUGA Fest, presented by Well-being Resources, is the official expo of well-being offerings on campus! Connect with student groups and campus offerings, check out well-being demonstrations and activities!



**Fri.**  
**3/1**

March 1st

Undergraduate Geography Award nominations are coming up! Self nominations (originally due 2/26) are now due on 3/1. Reach out to [mlc53494@uga.edu](mailto:mlc53494@uga.edu) for more info.



**Fri**  
**3/22**

March 22nd  
3:30pm  
GGY Room 200D

Join us for the 2024 Geography Globe Lecture featuring Dr. Danielle Purifoy. Dr. Purifoy's lecture is titled: "Scenes of the Forgotten Black Forest." All are welcome to attend!



**Tues.**  
**4/3**

April 3  
Morton Theatre  
Time TBA

UGA's Three Minute Thesis (3MT®) competition challenges graduate students to explain their research to non-specialist audiences in the space of just three minutes. [Learn more here!](#)



## Social Media

Want to stay up to date with all things UGA Geography? Follow us on our social media accounts. If you have any events, news, awards, or other information you'd like to share on our social media, please reach out to Matt Calonijs.



<https://www.facebook.com/GeographyDepartmentUGA/>



<https://www.instagram.com/geographyuga/>

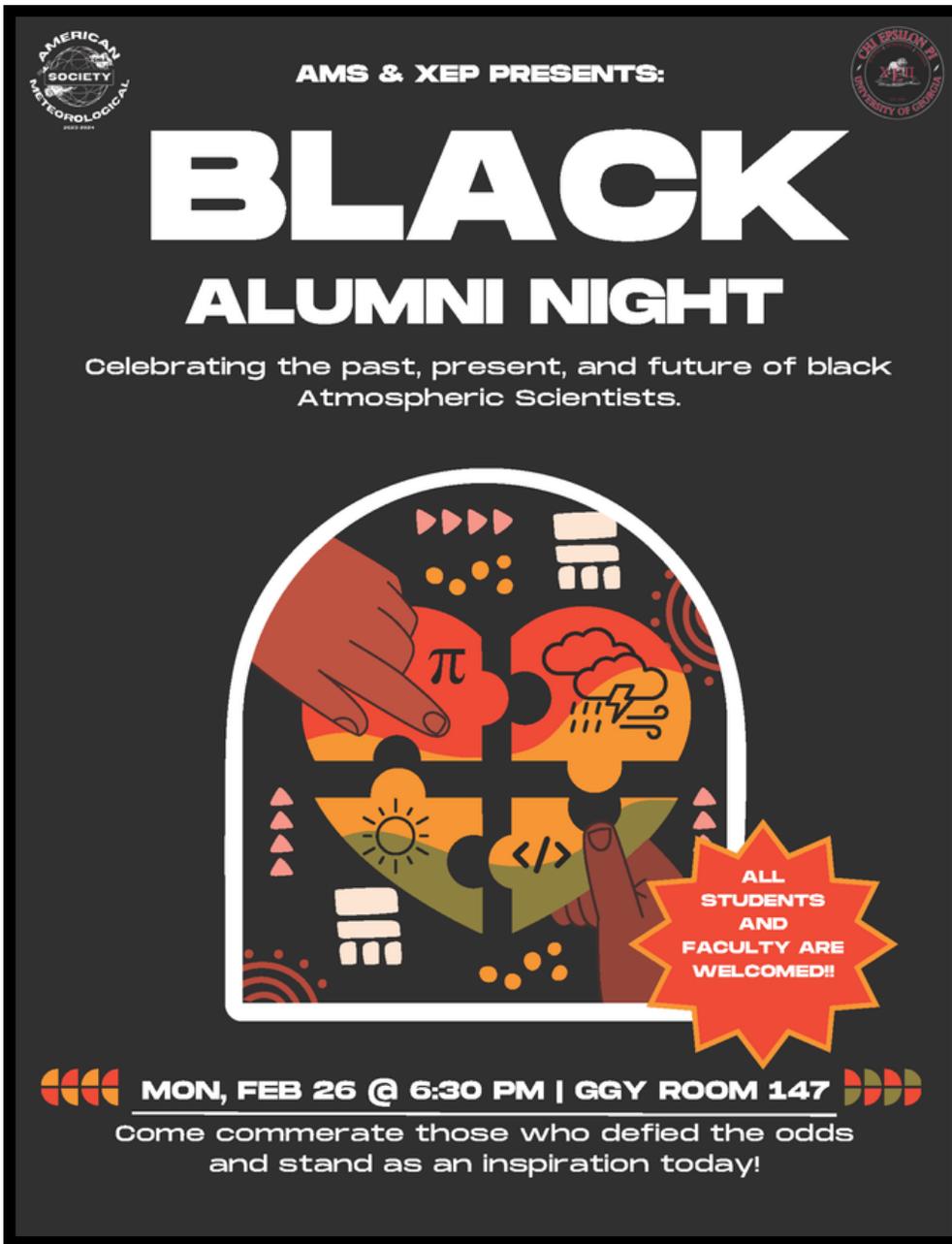


<https://twitter.com/UGaGeography>



<https://geography.uga.edu>

# OPPORTUNITIES AROUND CAMPUS



AMS & XEP PRESENTS:

# BLACK ALUMNI NIGHT

Celebrating the past, present, and future of black Atmospheric Scientists.

**MON, FEB 26 @ 6:30 PM | GGY ROOM 147**

Come commemorate those who defied the odds and stand as an inspiration today!

ALL STUDENTS AND FACULTY ARE WELCOMED!!



Fresh Express is a new student-led emergency food assistance program, striving to serve University of Georgia students with balanced meals. [Sign up here.](#)



Join us every Friday for International Coffee Hour from 11:30am to 1:00pm in the Tate Reception Hall! 11:30am - 1:00pm | Memorial Hall Ballroom

## Prioritize Your Well-Being This Semester:



UMatter: An March 7th  
Upstander 4:30 pm  
Intervention Tate Room 141  
Program

UMatter is an upstander intervention program to support a culture that cares about and helps each other in this community. [Learn more here!](#)



Nutrition February 27th  
Kitchen: \$5 4:30 pm  
Cooking Class UHC

*Learn how to cook a healthy meal with one of the dietitians the University Health Center in the Nutrition Kitchen. FYOS approved! Call 706-542-8690 to register*



Healthy Relationships Workshop March 12th  
4:00 - 5:00pm  
MLC Room 153

*Explore relationship dynamics between roommates, friends, & romantic partners.*

# STUDENT OPPORTUNITIES

## ★ This Week's Featured Opportunity ★

### • [National Geographic Cartographic Intern, Disney](#)

#### **About the Role & Program**

Cartographers play a pivotal role within the storytelling framework at National Geographic! Maps serve as vital tools in conveying location and visualizing concepts and data that may be challenging to articulate through prose or photographs alone. This responsibility entails delving into a subject, identifying aspects that benefit from spatial representation, and engaging in an iterative process to ensure clarity for a general audience. These tasks span various media formats, including feature articles in National Geographic Magazine, digital releases, and interactive presentations.

***This internship focuses on honing journalistic skills to locate the most up-to-date spatial data, craft pertinent maps to enhance and bolster narratives, and collaborate with subject matter experts to meticulously verify all information.***

#### **What You Will Do**

- Create content for NGM and NGH, learning how custom cartography is created for a journalistic publication.
- Participate in all group meetings and content critiques, will be expected to complete assigned mapping on time
- Work on mining databases and GIS resources to analyze and map story data.
- By working with staff who do this on a regular bases, you will gain experience using GIS in a working environment
- Learn how a multidisciplinary story team constructs a project to be published on multiple platforms.
- You will be attached to one or more story teams assisting a staff cartographer.
- Work on short form content for the digital platforms providing mapping support to scheduled digital stories.
- By attending the daily digital meeting and working with the Manager, Digital Cartography, the intern will participate in story ideation and execution.

#### **Required Qualifications & Skills**

- Strong oral and written communication skills
- Analytical and organized
- Ability to handle and prioritize simultaneous projects and meet deadlines
- Self-motivated and resourceful, with the ability to work with minimal direction and exercise independent judgment
- Proficient in the use Adobe Creative Suite; Avenza Mapublisher; QGIS or other GIS software
- Adept at learning new software
- Curiosity about National Geographic and its core subjects
- Interest and knowledge of Geography

[Learn more here!](#)

## General News and Announcements



The Graticule Weekly is distributed each Friday Afternoon. If you have any news or events you'd like to share throughout the semester, please share them with Matt Colonius well in advance.

[Past editions of The Graticule Weekly are available to view on our website!](#)



With the Fall semester in full swing, our community will remain busy as faculty, staff, students, and visitors navigate our campus. Prioritize your transportation safety and the safety of other's by checking out [the Watch For Dawgs official website.](#)



Please download the new UGA Safe app from the Google Play or Apple App stores. Login using your UGA MyID or register as a guest to take advantage of a variety of safety features. For more information, please visit the [UGA Office of Emergency Preparedness website.](#)

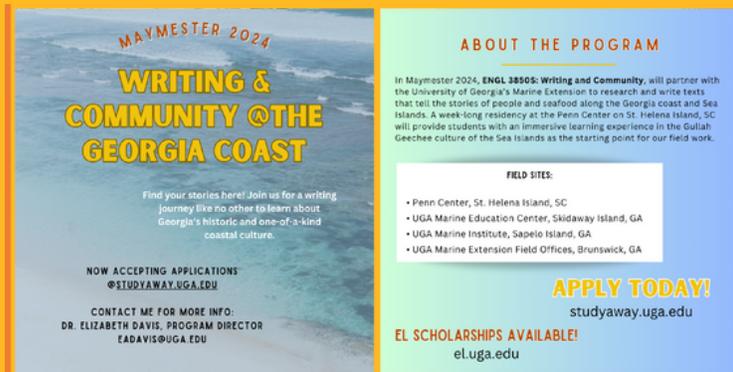
Follow us on social media!



# STUDENT OPPORTUNITIES

- [Maymester Field Study Service-Learning Opportunity](#)

*This program is a service-learning Domestic Field Study course in which students will conduct field and academic research at UGA Marine Extension and Georgia Sea Grant facilities to write stories about the people and aquaculture of the Georgia coast. A week-long residency at the Penn Center on St. Helena Island, SC will provide students with an immersive learning experience in the Gullah Geechee culture of the Sea Islands as the starting point for our field work. Contact Dr. Elizabeth Davis at [eadavis@uga.edu](mailto:eadavis@uga.edu)*



- [Tutor with UGA Athletic Association Academic Support Services](#)

*Provide individual and small group tutoring to student-athletes in the Rankin Smith Student-Athlete Academic Center. Assist students in improving academic achievement by meeting with them weekly to clarify concepts, enhance study skills, and review class materials. \*If you are interested, please reach out directly to Whitney Burton at [wburton@sports.uga.edu](mailto:wburton@sports.uga.edu)*

- [Nelson/Nygaard Transportation Planning Summer 2024 Internships](#)

*Nelson/Nygaard Consulting Associates is seeking Transportation Planning Interns to join our team during the summer of 2024. We're looking for students who are eager to gain hands-on experience in the transportation planning field. This is an outstanding opportunity to be involved in the firm's nationally recognized work in planning for more equitable and livable communities.*

*Our summer intern program is designed to give current students an opportunity to gain experience with planning work that helps shape our communities. You will work on and produce deliverables for some of our most exciting projects, supporting junior and senior planners with writing and research, data analysis and mapping, and client and community engagement activities. [Learn more here!](#)*

- [GIS Specialist at The Ray](#)

*The GIS specialist will report directly to the GIS Manager and will:*

*Support the development and management of GIS maps and applications*

*Perform geospatial data development and analysis*

*Efficiently manage geospatial databases and aerial photography*

*Accurately maintain geospatial database information by interpreting data from a variety of sources and creating, verifying, and updating information in the geospatial database through the use of GIS software and technologies*

*Acquire, process, integrate, visualize, and analyze geospatial data provided by The Ray's partners into existing GIS datasets, and GIS products*

*Attend meetings as requested by The Ray staff.*

**[Learn more here!](#)**

## Social Media

*Want to stay up to date with all things UGA Geography? Follow us on our social media accounts. If you have any events, news, awards, or other information you'd like to share on our social media, please reach out to Matt Colonus.*



<https://www.facebook.com/GeographyDepartmentUGA/>



<https://www.instagram.com/geographyuga/>



[https://twitter.com/UGA\\_Geography](https://twitter.com/UGA_Geography)



<https://geography.uga.edu>

# STUDENT OPPORTUNITIES

- [Summer 2024 Data Science Internship with OpenTopography](#)

*OpenTopography is recruiting at least one Data Science intern this summer via the EarthScope Student Careers Internship Program. The intern(s) will work with the OpenTopography team to ingest and process data, and/or to develop workflows and services related to processing, analysis, and visualization of topographic data managed by OpenTopography. Open to graduate and upper-level undergraduate students, applicants must be authorized to work in the U.S. [Learn more and apply here!](#)*

- [Community Planner and Grants Specialist Positions, NGRC](#)

*The Northeast Georgia Regional Commission has two positions open, a Community Planner and a Grants Specialist. The job listings and responsibilities are posted on our website: <https://negrc.org/careers/>*

*We're looking for people who are creative and interested in working on community-based projects related to housing development, infrastructure, solid waste, development of public facilities, conservation, comprehensive planning, and community engagement. Good writing and public speaking skills are important, and some experience with graphic design and ArcPro would be preferred.*

[Learn more here!](#)

- [Postdoctoral Position in AI and Census Microdata, Univ. of Utah](#)

*The [College of Social and Behavioral Science](#) at the [University of Utah](#) is seeking applicants for a Postdoctoral Research Associate with an interest in applying Artificial Intelligence (AI) to US Census data. AI is having far-reaching effects as it moves into everyday systems, such as healthcare, education, policy, immigration, and criminal justice, often with a focus on individualized outcomes.*

*Interdisciplinary research is critical for developing “responsible” technologies that forward the public interest, recognizing AI as both a technological approach and a social practice (e.g. how humans are classified, how we identify technological problems, how we understand our society). Federal Statistical Research Data Centers, such as the [Wasatch Front Research Data Center \(WFRDC\)](#), located in the Interdisciplinary Exchange for Utah Science (NEXUS), offer a unique resource of census microdata, allowing the exploration of socio-demographic dynamics at an individual level, and there is a significant opportunity to apply AI methodologies to these data.*

*We seek a researcher interested in developing research that integrates AI methods with the type of microdata held in the WFRDC. The successful candidate for this position will have a record of working with socio-demographic data and AI methods, and a commitment to responsible AI applications.*

[Learn more here!](#)

## Prioritize Your Well-Being This Semester:



UMatter: An March 7th  
Upstander 4:30 pm  
Intervention Tate Room 141  
Program

UMatter is an upstander intervention program to support a culture that cares about and helps each other in this community. [Learn more here!](#)



Nutrition Kitchen: February 27th  
\$5 Cooking Class 4:30 pm  
UHC

*Learn how to cook a healthy meal with one of the dietitians the University Health Center in the Nutrition Kitchen. FYOS approved! Call 706-542-8690 to register*

## Healthy Relationships Workshop

Healthy Relationships Workshop March 12th  
4:00 - 5:00pm  
MLC Room 153

*Explore relationship dynamics between roommates, friends, & romantic partners.*



Environmental Ethics Certificate Program  
 College of Environment + Design  
 UNIVERSITY OF GEORGIA

# Environmental Ethics Seminar Series

13  
FEB

## Film Screening: "Inhabitants: Indigenous Perspectives on Restoring Our World"

Native American communities restore their traditional land management practices in the face of a changing climate



27  
FEB

## The Ethical Considerations of Permanent Land Protection

Christine McCauley Watts, Executive Director of the Madison-Morgan Conservancy

Steffney R. Thompson, Land Conservation Clinic Director of the University of Georgia School of Law



19  
MAR

## Can Fashion be Sustainable?

Sanni Baumgärtner, owner of Community - a boutique for sustainable fashion and locally made products.



11  
APR  
\*Thurs

## Odum Environmental Ethics Lecture: Act of Restorative Kindness to the Earth

Mary Reynolds, reformed Landscape Designer and Author, Founder of We are the ARK



Jackson Street Building



Room 125

Tuesdays

\*1 Thursday Event

5:30 pm



### GET HELP

Whether it's a life-threatening emergency, a non-emergency concern, or a crime tip; there are several options to relay those concerns.

### MOBILE BLUELIGHT

Immediately call the UGA Police and share your location in real-time with them.

### FRIEND WALK

Send your location in real-time to a friend so they can watch you as you walk to your destination.

### CHAT WITH UGA POLICE

Report a concern by texting with UGA Police.

### HOW TO RESPOND TO AN EMERGENCY

Conveniently located in one place to help you take immediate action.



**DOWNLOAD THE APP!**

[t.uga.edu/7Xf](https://t.uga.edu/7Xf)

