

The Graticule Weekly

UGA Geography's Weekly Newsletter



Augusta, Georgia

Research Spotlight

Max Appelbaum's Masters Thesis Observes Heat Island Effect In Augusta



Max Appelbaum

Last week, a local Augusta, Georgia news outlet, [News 12](#), published a story which contained ties to UGA Geography, most significantly, Max Appelbaum's master's thesis - Satellites, Drones, and Cars: An Integrated Approach to Urban Heat Island Observation. Appelbaum's thesis observed the urban heat island effect, the phenomenon in which infrastructure such as roads and buildings absorb daytime heat and radiate it after dark, keeping urban temperatures warmer than surrounding areas.

To observe the heat island effect, Appelbaum selected eight points around Augusta and used satellites, cars, and drones to gather data. The results of his research show heat island effects, especially around the downtown area. The heat island effect is often felt most by vulnerable populations in less affluent areas. Appelbaum's research is being utilized by the [Georgia Climate Project](#) in collaboration with the [Greater Augusta Interfaith Coalition](#) to help determine community solutions for heat related issues.

Appelbaum graduated from UGA's Department of Geography and successfully defended his thesis in Spring 2024 with thesis advisor [Dr. Marshall Shepherd](#) and committee members [Dr. Andy Grundstein](#) and [Dr. Sergio Bernardes](#). Max will pursue his Ph.D. at the University of Wyoming. Appelbaum was also named recipient of the 2023 Department of Energy Savannah River National Research Laboratory (SRNL) BSRA Research Poster Session. Appelbaum's poster, titled "Remote Sensing of the Surface Urban Heat Island to Inform In-Situ Atmospheric Observations" was named best in show. [Read the full News 12 Article here!](#)

John Knox Accepts Felton Jenkins, Jr. Hall of Fame Faculty Award



John and Pam Knox at the USG Board of Regents gala awards Trilith Studios, Atlanta

John Knox, professor of geography and Josiah Meigs Distinguished Teaching Professor was named the recipient of the University System of Georgia's (USG) 2024 Felton Jenkins Jr. Hall of Fame Faculty Award. According to the USG website, "These system-wide awards will recognize individual faculty and staff for a strong commitment to teaching and student success."

Dr. Knox was officially recognized at the annual Board of Regents' Scholarship Gala on Thursday, September 12, 2024 at Town Stage at Trilith Studios in Fayetteville, GA, where he and other award winners were recognized by the Chancellor, the Regents, and the Presidents of the USG universities.

UGA has had only seven previous winners since this award was created in 1997, the last one in 2015. Dr. Knox is the first recipient in the UGA Department of Geography.

[Learn more about the Felton Jenkins, Jr. Hall of Fame Faculty Awards 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 the Geography Department's Communication Coordinator 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 remains 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!



UPCOMING EVENTS



September 18
GGY 200B
3:30pm

Come see what our Geography faculty and graduate students were up to this summer! Each participant will briefly display photos from their summer adventures. This is a great opportunity to network and make connections in the department.



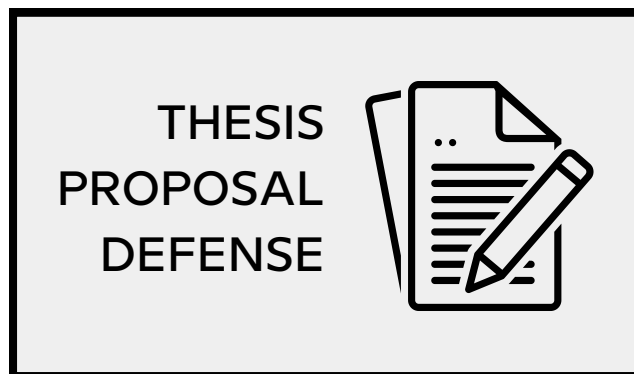
Sept. 17 & 18
11 am - 4pm
Tate Atrium

Come join the Office of Global Engagement at Tate next Tuesday & Wednesday for the Study Away Fair! Stop by anytime from 11am-4pm.



September 19th
Online via Zoom
3-5 pm

We are excited to announce Kyle Steen's Thesis Proposal Defense titled "Predicting Cotton Above Ground Biomass Using GeoAI and Multispectral Imagery from Uncrewed Aerial Systems."



September 24th
Online
4-5pm

Want to learn about applied Earth science opportunities? Attend a NASA Develop Information Session! See the flyer at the end of this week's newsletter for more information.



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 Colonius.



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



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



https://twitter.com/UGA_Geography



<https://geography.uga.edu>

OPPORTUNITIES AND ANNOUNCEMENTS

WE'RE HIRING!

UGA GEOGRAPHY IS CURRENTLY SEEKING NEW FACULTY TO JOIN OUR DEPARTMENT!

Assistant Professor, Geospatial AI

The Department of Geography invites applications for a tenure-track faculty position at the rank of Assistant Professor specializing in Geospatial AI (GeoAI) applied to hydrological and ecosystem science. The new faculty member will join a cluster of 6 faculty who constitute Environmental Artificial Intelligence Cluster funded by Presidential Faculty Hiring Initiative.

[Learn More About the GeoAI Position](#)

Assistant Professor, Physical Geography/Atmospheric Sciences

The Department of Geography at the University of Georgia seeks an interdisciplinary scholar whose work links the hydrologic cycle to earth surface processes with a focus on natural hazards. The candidate will engage research and instruction in areas that might include physical geography, hydrology, earth system hazards (e.g., floods, droughts, landslides, hurricanes), risk and vulnerability.

[Learn More About the Physical Geography / ATSC Position](#)

• [Food Systems Workshop](#)

UGA's Sustainable Food Systems Initiative Workshop "Working within Food Systems – Pushing Beyond the Why to Help Drive the How."



Tuesday, September 17, 2024
11:00 – 1:30
Forest Resources Building 4, Room 0418

Much of food studies curriculum helps equip students with critical thinking and synthesis development needed to understand how and why our food systems currently exist. This interactive discussion will shed perspective on what it looks like to apply these skills and food systems knowledge through a racial equity lens, practically and professionally. Some other points of discussion:

1. Maximizing internships and research opportunities
2. Keeping up with the field and still having fun in community.
3. Remembering your why and acting on it.

Whitney Barr, MLA, is a UGA and Spelman College alum. She is the Food Systems Project Manager and Planner for the City of Atlanta.

Prioritize Your Well Being:

Change Stress Into Success

Change Stress Into Success
September 11th
1:00 - 1:50pm
Online - See UHC Site for details

Join us for this four-part rotating series on managing stress & anxiety. You will learn how to identify and manage your own stress and anxiety as it arises.



"Let's Talk"

Let's Talk
September 19th
4:00 - 5:00pm
SLC Room 136

Drop-In Consultations with CAPS Clinicians. Free and Confidential (for UGA students)

UMatter

UMatter
September 25th
5:30-7:00pm
MLC 213

Step into our 60-90 minute interactive upstander intervention program, where college students will be given the knowledge and skills to take action when they see someone in need. Change the narrative and become an upstander. All participants will receive a free Fontaine T-Shirt!

OPPORTUNITIES AND ANNOUNCEMENTS

- [Call for GIS Day Volunteers](#)

GIS Day 2024 will be held on Wednesday, November 20th -- we need your help!

If you haven't heard of GIS Day before, it's a national event that highlights the research and other work being done with GIS inside and outside the academy. ESRI is a main organizer, and you can see more on their page [here](#).

Our current schedule includes a networking fair, graduate student poster and paper competitions, and an expert panel discussion.

Volunteer roles range from joining the planning team (biweekly to weekly meetings) through providing help for an hour or two on the day itself. This has often been a great chance for students to get to know one another better and learn more about careers using GIS.

You can indicate your interest in volunteering by filling out the [Google Form](#) on [our Linktree page](#).

- [ASPRS Inaugural Meeting - All Are Welcome](#)

JOIN UGA ASPRS!

The American Society for Photogrammetry and Remote Sensing UGA Chapter welcomes you to engage with us!

Next meeting is: Sept 18th @ 4PM
in Geography/Geology Room 319



Social Media

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



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



https://twitter.com/UGA_Geography



<https://geography.uga.edu>

OPPORTUNITIES AND ANNOUNCEMENTS

Prioritize Your Well Being:

GET YOUR FLU SHOT ON CAMPUS! #FLUGA
NO OUT-OF-POCKET COST FOR STUDENTS!

#BeWellUGA

SCAN TO FIND DATES & LOCATIONS



University Health Center
College of Pharmacy
Well-Being Resources

Bring your UGA ID & Insurance Card!

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- [Michigan State University Assistantships/Fellowships](#)

The Population Division of the U.S. Census Bureau has employment opportunities for people with skills in geography/GIS, programming, data science, and related fields.

To apply, please visit [USAjobs.gov](https://www.usajobs.gov) and enter "Census Bureau" in the keyword search to see current postings and complete an application, or go directly to the posting page below. This posting will remain open until Tuesday, September 17, or until 100 applications are received. <https://www.usajobs.gov/job/807934800>

We are looking for highly qualified people with training in GIS, Python and R, and population geography or demography. Salaries reflect experience and the level of education completed. All positions require U.S. citizenship. Census HQ is in the Washington, DC, area and is located next to a subway station. If you or your students have questions about these positions, please contact: Joshua.Comenetz@census.gov.



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STUDENT & FACULTY OPPORTUNITIES

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- [Collegiate Assistant Professor in Meteorology](#)

The Department of Geography at Virginia Tech is seeking applicants for the position of Collegiate Assistant Professor in the area of meteorology. This is a full-time, 9-month appointment with an anticipated start date of August 2025.

We seek candidates with a passion for undergraduate instruction in meteorology who are able to offer courses in some combination of weather analysis and forecasting, mesoscale meteorology, atmospheric remote sensing, and other courses within the candidate's area of expertise.

[Learn More & Apply Here!](#)

- [Auburn U - Postdoctoral Fellow - Community Geography and Community GIS](#)

The Department of Geosciences at Auburn University invites applications for a new Postdoctoral Fellow position in Community Geography and Community Geographic Information Systems.

The successful candidate will co-lead the Citizen Science GIS lab's broader research and education efforts (e.g., community geography, GIS, UAV/drones, geoscience education, student mentoring, fieldwork, and outreach).

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OPPORTUNITIES & ANNOUNCEMENTS

Instagram Spotlight ▶

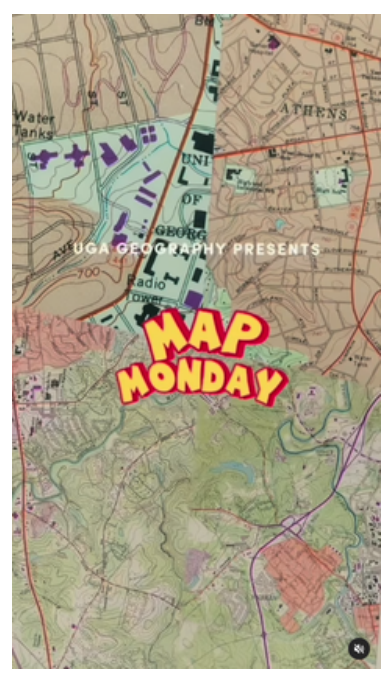


geographyuga

🌍 Introducing Map Monday!

We're excited to kick off our very first Map Monday with a topographic map of Athens from 1964! 🗺️🌟 This detailed map offers a fascinating glimpse into the city's landscape and landmarks from decades ago.

What familiar spots or changes can you spot? Let us know in the comments 📍👁️



Keep up with all things UGA Geography!  geographyuga



JOIN THE GEOGRAPHY UNDERGRADUATE GROUPME!

All UGA Geography and Atmospheric Sciences undergraduate students are invited to join our new UGRD GroupMe - scan the QR to join!



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DEVELOP Spring 2025 Informational Webinars

Are you a student, recent graduate, or early/transitioning career professional seeking to make a positive impact on the environment and society? Join us to learn about applied Earth science opportunities with the **NASA DEVELOP National Program!**

Friday, September 6, 2024
2-3pm ET

Meeting link [HERE](#)
tinyurl link: <https://tinyurl.com/2e8fje4t>

Tuesday, September 24, 2024
4-5pm ET

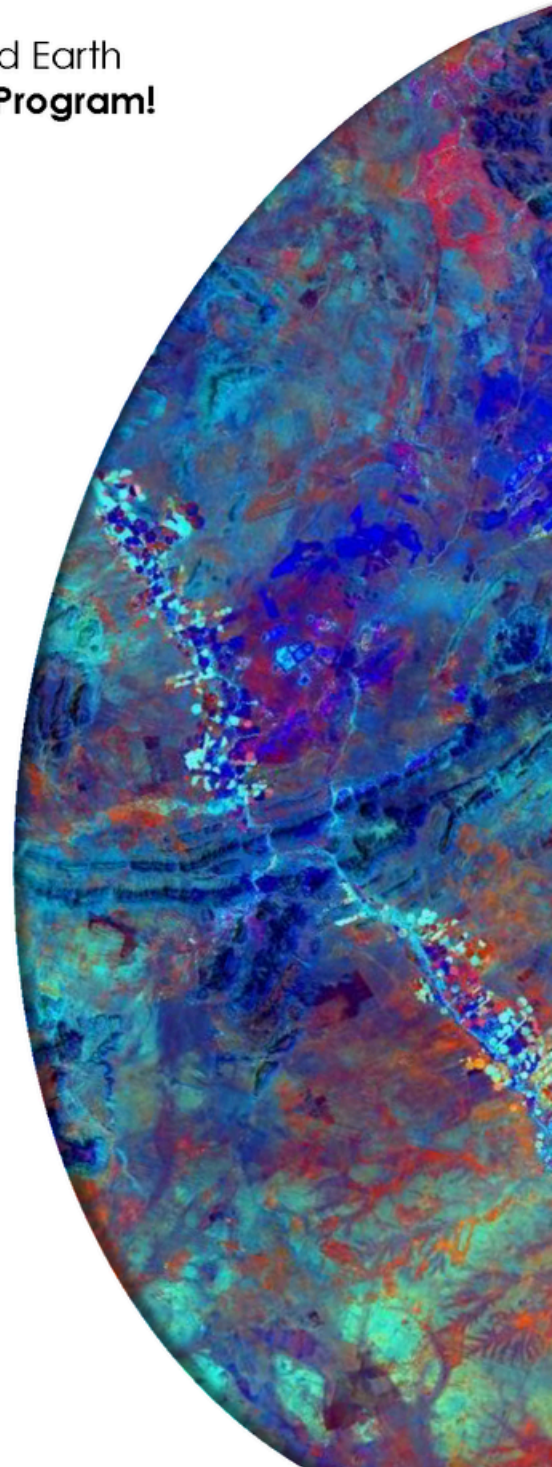
Meeting link [HERE](#)
tinyurl link: <https://tinyurl.com/pft8r8xu>

About DEVELOP

The **NASA DEVELOP National Program** addresses environmental and public policy issues through interdisciplinary research projects that apply the lens of NASA Earth observations to community concerns around the globe. Teams of DEVELOP participants partner with decision makers to conduct 10-week, rapid feasibility projects that highlight relevant applications of NASA Earth observing missions, cultivate advanced skills, and increase understanding and use of NASA Earth science data and technology.

Website: appliedsciences.nasa.gov/nasadevelop

Contact: NASA-DL-DEVELOP@mail.nasa.gov





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

