



UNIVERSITY OF NORTH CAROLINA  
CHARLOTTE

SCHOOL OF  
DATA SCIENCE

## Updates from the Director

Happy November All-

Registration for spring opened on Monday. We anticipate heavy demand for our sections this spring, so please do not delay in registering for the sections you need. A reminder we will not issue any authorization for graduate students for the Internship courses- DSBA 6400 or HCIP 6400 until you have a submitted and approved project proposal. Quick update on the SDS events calendar. We are migrating platforms for our websites and in the process, the event calendar feeds to the DS, DSBA, and HIA pages dropped out. We will fix it shortly but in the meantime, you can find the full calendar of events on the SDS main page [HERE](#). Coming this Thursday we have Sia Partners presentation on **Prompt Engineering with Generative AI** on main campus. Next Monday Spectrum Enterprise will present in person at CCB, "**Translating Analytics Into Action And Strategies To Effectively Communicate Data Science Insights**". Both of these presentations will feature SDS alumni. Please join us!

### **Campus Challenge- Jamil Niner Pantry**

This is a special *call to SDS alumni*. Many of you are familiar with the Jamil Niner Student Pantry. The pantry is a critical bridge for food-insecure students across the campus. This next week the Pantry is competing with the University of Memphis in collecting the most food items (their pantry vs. our pantry with the winning campus announcing it at the November 11th football game). Additionally, November is our Giving Tuesday campaign. You can find a **list of needed items** on their website or simply donate funds! Any support you can give is helping your fellow Niners.

-Josh



**Call for Content:** *Have a story to share, an event to highlight, or a job posting? Please feel to share it with us @ [sds-communications@charlotte.edu](mailto:sds-communications@charlotte.edu)*

*Important!*

TO READ THE ENTIRE NEWSLETTER CLICK "VIEW ENTIRE MESSAGE" AT THE BOTTOM OF THIS EMAIL FOR JOB OPPORTUNITIES!

## IMPORTANT DATES:

Find the full [SDS Calendar of Events](#) on the program website

- **October 30, 2023:** Spring Registration Begins
- **November 10, 2023:** Veteran's Day - No Classes
- **November 22-25, 2023:** Thanksgiving Break - No Classes
- **December 6, 2023:** Last day of classes
- **December 7, 2023:** Reading Day

## SDS Graduate Students: REGISTRATION REMINDERS

You should have received an email about group advising. The details are also above in the 'Important Dates' section. Please plan to attend one session! Let Carly know if you have any questions. You can submit your authorization requests for spring here: [\*\*Spring 2024 DSBA & HIA Authorization Requests\*\*](#)

Specific registration information for the [HIA](#) and [DSBA](#) can be found on their respective program websites.

# Mark Your CALENDAR

Below is a list of upcoming campus events for all students and faculty. These are opportunities to learn and network! We hope you can participate and encourage your students to engage.

## MONDAY SDS Professional Seminars

Every Monday @ 4:00 p.m. Coming up:

- **November 6, 2023**: Translating Analytics Into Action And Strategies To Effectively Communicate Data Science Insights- Spectrum (Dubois Center)
- **November 13, 2023**: Hospitality Strategy & Analytics- E15 Group (Dubois Center)
- **November 20, 2023**: Challenges and Opportunities in the Data Science and Analytics job market- Advanced Analytics at Universal Music Group (Dubois Center)

You can find the complete list of fall seminars with the links to register [here!](#)

REGISTER  
NOW

## THURSDAY SDS Professional Seminars

@ 1:15-2:15 Colvard South Room 1017

- **November 2, 2023**: Unleashing Innovation in Data Science with Gen AI & Prompt Engineering, Sia Partners

You can find the complete list of fall seminars with the links to register [here!](#)

SIAPARTNERS

GRAB YOUR SPOT!

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## Women in Technology Career Fair

Wednesday, November 08, 2023 | 2:00 PM - 6:00 PM EDT (virtual)

Experience the WIT Virtual Job Fair, where you can engage with recruiters from leading organizations in the Washington D.C. Metro area and beyond. This exclusive event offers real-time connections with employers seeking top-notch talent for diverse roles, with a strong focus on STEM-based fields. Don't miss the chance to explore exciting career opportunities! This is a free event for job seekers. Advanced registration is strongly encouraged to allow exhibitors to view your resume in advance. Exhibitors should take advantage of the Early Bird pricing for the best value. For more information and to register click [HERE](#).

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## Healthcare Finance & Technology Symposium

December 6-7, 2023 | Charlotte. NC

The NC Chapter of HIMSS is hosting a two-day event in Charlotte to explore the latest challenges that our health systems are facing, as well as potential solutions. Health systems are large and complex, and often it is difficult for all departments to come together and coordinate plans. The Symposium is structured to allow various disciplines (e.g. finance, information technology, operations, supply chain) to gather a better understanding of the widespread issues the entire health system or healthcare provider is facing. Check [HERE](#) for more information on other upcoming NCHIMSS events.

**HIMSS**  
NORTH CAROLINA  
CHAPTER

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## University of South Carolina's National Big Data Health Science Conference

February 2 - 3, 2024

The 2024 Conference Planning Committee invites you to submit abstracts for oral and poster presentations at the 5th Annual National Big Data Health Science Conference. Authors will have the option of publishing their abstract in the 2024 Conference Proceedings (with Biomedical Central, a part of Springer Nature) at no cost. **Abstract Submission Deadline: December 4, 2023.**

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# NC Education Datathon

February 8-9th, 2024 in Raleigh

The NC Datathon brings together student-led teams from across the state to compete to turn publicly available data into actionable information to address inequities and improve educational outcomes. Check out their site for details and how to express your interest!



HOSTED BY 

2024  
NORTH CAROLINA  
EDUCATION DATATHON



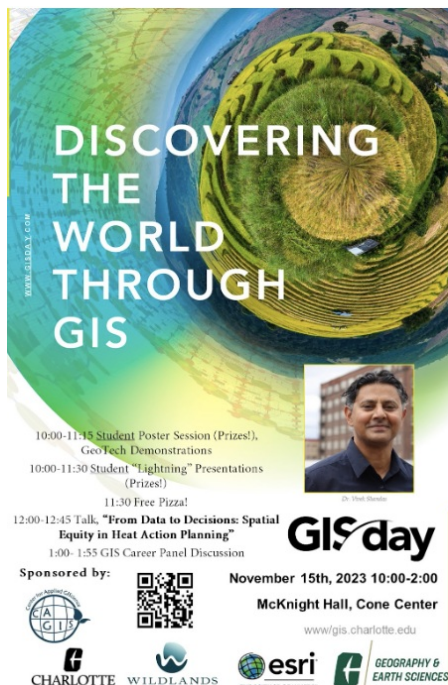
February 8-9, 2024  
Raleigh, NC

Complete the interest form for priority registration.  
[bit.ly/2024DatathonInterest](https://bit.ly/2024DatathonInterest)

LEARN MORE


## GIS Day

November 15th








DISCOVERING  
THE  
WORLD  
THROUGH  
GIS

10:00-11:15 Student Poster Session (Prizes!),  
GeoTech Demonstrations  
10:00-11:30 Student "Fightning" Presentations  
(Prizes!)  
11:30 Free Pizza!  
12:00-12:45 Talk, "From Data to Decisions: Spatial  
Equity in Heat Action Planning"  
1:00- 1:55 GIS Career Panel Discussion



Dr. Matt Moore

**GIS day**

Sponsored by:     

November 15th, 2023 10:00-2:00  
McKnight Hall, Cone Center  
[www.gis.charlotte.edu](http://www.gis.charlotte.edu)

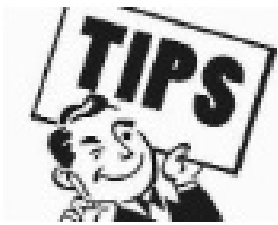
CAGIS, the Center for Advanced Geospatial Information Science, hosts GIS Day on November 15th at McKnight Hall in the Cone Center, starting at 10:00 AM. This event has expanded to engage various departments and centers, with a focus on offering career opportunities and enhancing student engagement, especially within the School of Data Science. It aligns with the GeoSAN mission, highlighting the significance of geotechnologies.

Learn More  
Here

# Student

## RESOURCES

### Spring 2024 Assistantship Applications Open



Each semester the School of Data Science awards on average 25-30 assistantships each semester to support SDS graduate and undergraduate academic programs. Assistantships are usually in one of two forms: Instructional Assistants or Teaching Assistants. *Only students enrolled in an SDS program can apply for SDS-funded assistantships.* Even if you currently hold an assistantship, you must reapply to be considered for placement in spring 2024: [Apply Here](#). More information can be found on your program website under “Current Students.” Please make sure to read the eligibility requirements carefully. (*Faculty tend to seek students they know, students that have had success in their classes. Blanket emailing the faculty is not only inappropriate, it is also counterproductive.*)

### Fall 2023 Graduation Information

#### Policy Update: Participation in Commencement Returns to Pre-Covid Policy

The Provost Office recently announced that they are reverting to the pre-Covid policy that limits student participation in a commencement ceremony within their term of graduation. In other words, the Provost Office will no longer allow students to delay their participation to a later semester for the ceremony.

*Students must participate in a commencement ceremony within their term of graduation. Undergraduate students who wish to attend commencement must attend the ceremony within their college; graduate students (including certificates) who wish to attend commencement must attend the Graduate School ceremony. All students must have a valid UNC Charlotte ID or a government issued photo ID and their UNC Charlotte ID number to participate in commencement. - [From the Provost website](#)*

#### DegreeWorks Audit: On Track To Graduate?

It may seem too early to be thinking about this, but graduation is closer than you think! Have you checked your transcripts lately to make sure all of your courses are counting towards your degree? [DegreeWorks](#) is a web-based planning tool that provides an accurate display of required coursework and helps students monitor

their progress toward graduation. Students can access their real-time audit in DegreeWorks via [my.charlotte.edu](https://my.charlotte.edu) and should routinely check their progress toward degree completion.



## Commencement

Fall Commencement ceremonies will be held in Halton Arena. The Undergraduate Ceremony for the Bachelors in Data Science will be Friday, December 15th at 10am. The Graduate Ceremony will be held on Saturday, May 16th at 10am. The University has a website for all things related to [graduation ceremonies](#). Please remember to show up early - don't get caught in traffic!

## Spring 2024 Special Topics Courses: Graduate and Undergraduate

Reminder- we have virtual group advising sessions for the HIAN and DSBA graduate students. Sign up to hear more information about the spring schedule and course offerings. We will also share the link for pre-authorization class requests. Undergraduate students, please make an appointment with your advisor ASAP if you have not already done so. **Registration opened October 30th!**

## Data Science and Health Informatics In The NEWS

*These are stories collected from a variety of newsletters and websites:*

### **Where Charlotte ranks among the 20 top tech metros in the South**

From Charlotte Inno: The Charlotte metro ranked seventh for tech employment growth, driven by a 29.8% hike between 2017 and 2021. Another highlight for Charlotte was landing among the top 10 for tech employment density, scoring 6.55 points on that metric. **Read more here.**

### **Health system leaders explore next steps for AI**

AI is primarily used as a tool in health care, but with the advent of generative AI, health systems are transitioning to using AI as an assistant, too, and trying to learn how to direct them and to engineer prompts, says Vincent Liu, a senior research scientist at Kaiser Permanente. "The risk I see is that we didn't get it right for the traditional or regular AI. What are we doing as a community to ensure that our response to generative AI will be better?" said American College of Medical

Informatics Fellow Nigam Shah, chief data scientist at Stanford Health Care. [Full Story: Healthcare Innovation \(10/26\)](#)

### [ChatGPT vs. BARD \(KDnuggets\)](#)

By Roger Brown, Business Development & Strategic Partnerships at Cogito Tech LLC on October 17, 2023 in [Language Models](#). Large language models (LLMs) are transforming the way we process and produce information. But, before considering either one of these models as a one-stop solution, one must consider their key differences.

### [The insideBIGDATA IMPACT 50 List for Q4 2023](#)

From *insideBIGDATA* | OCTOBER 11, 2023

[insideBIGDATA](#) tracks big data ecosystem companies around the globe. They are in close contact with the movers and shakers making waves in the technology areas of big data, data science, machine learning, AI, and deep learning. They have just published their quarterly IMPACT 50 List.

### [AI chatbots could help patients shop for healthcare](#)

AI chatbots such as ChatGPT and Bard could help patients shop for high-quality medical care and improve transparency by answering questions about clinicians' experiences and adverse event rates or hospitals' safety records that patients can then discuss with clinicians, write health policy activist Michael Millenson and Digital Medicine Society CEO Jennifer Goldsack. However, AI tools that can answer questions about health care quality should be designed to produce the most accurate, understandable answers possible, they write. [Full Story: STAT \(10/23\)](#)

### [Washington U. establishes AI for Health Institute](#)

From *Amia's Informatics SmartBrief*

Washington University in St. Louis has established the AI for Health Institute within the university's School of Engineering. Researchers at the new institute will design AI-based clinical decision support tools and algorithms to support precision medicine and characterize complex diseases in collaboration with researchers at WU's Institute for Informatics, Data Science, and Biostatistics. [Full Story: Health IT Analytics \(10/23\)](#)



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**NC Datathon: Fill Out the Interest Form**





# NORTH CAROLINA EDUCATION DATATHON

**THURSDAY, FEBRUARY 8, 2024**

**FRIDAY, FEBRUARY 9, 2024**

The NC Datathon aims to harness the power of technology and data to create inventive answers for tackling intricate issues. This occasion unites teams led by university students from various parts of North Carolina and tasks them to find a solution for an educational challenge using diverse data sources.

You and your classmates can collaborate to craft applications, dashboards, or other databases to resolve the issue and subsequently showcase your projects to a group of knowledgeable evaluators and conference participants! The event spans two days (February 8 - February 9, 2024) and encompasses keynote speakers, team collaboration time, project presentations, evaluation, and the announcement of winners.

[Fill Out Interest Form](#)

## WiDS is Going Worldwide!

[Women in Data Science \(WiDS\) Worldwide](#) empowers women to reach their full potential in the field of data science. The WiDS community creates access to programs, content, and resources that inspire, educate, and support. Please visit their website for meetup and training resources as well as information on this year's global [Datathon](#). See the graphic below for more information on the timeline for this year's competition. [Registration opened on September 14, 2023](#).

## University of South Carolina (USC) Big Data Health Science Student Case Competition

USC is hosting its [fifth annual student case competition](#), a virtual event in which students compete in teams to solve an issue in healthcare using big data analytics for a chance to win cash prizes. The Case Competition will be held virtually between January 26th- 28th 2024, the week before [the University of South Carolina's National Big Data Health Science Conference](#), scheduled for the following weekend, February 2nd -3rd 2024. Last year's winner was Duke University, so it is time for others to compete to dethrone them. The Case Competition incites teams of graduate and senior undergraduate students to apply their knowledge to analyzing

big datasets in healthcare. Specific details about this year's challenge will be provided later.



The Association of Data Science is an undergraduate student organization hoping to provide programming workshops, networking opportunities, and a sense of community amongst students interested in data science. Our upcoming meeting is on October 19th, in Woodward 106 from 6 - 7 pm! Hope to see you all there! Future meetings are held every other Thursday. Make sure to join our [Niner Engage](#) and our [Discord server!](#)

## Sports Analytics Club

The Sports Analytics Club meets each week on Thursdays from 5:30 p.m. to 7:00 p.m. to discuss sports, present analytical projects, and create connections. Our goal as a club is to provide Charlotte students with the opportunity to build a resume, provide necessary skills, and create connections to break into the sports industry. On October 26, Data Science Professor Marco Scipioni will be lecturing at our meeting and leading us through data visualization in python. Because of the importance of coding in sports analytics, we will be hosting coding workshops at different times throughout the semester. We will announce these on social media and at our meetings so keep an eye out. If interested, please follow our social media and join our discord for more information. We look forward to meeting you and hearing about your interests!

**Instagram:** [@cltsportsanalyticsclub](#)

**Twitter:** [Charlotte\\_SAC](#)

[Discord](#)

[GitHub](#)

# Featured Job

## OPPORTUNITIES

Looking for more internships and job postings? Log into [Hire-a-Niner](#) or use their convenient [School of Data Science aggregator](#).

### Prepping for an Interview? DataCamp!

For those of you preparing for an internship or full-time job interview, remember you have FREE ACCESS to [DataCamp](#). The platform can help you prepare for technical interviews, particularly coding assessments.



REQUEST ACCESS

### Featured Internships

#### **Ally- Charlotte NC- Senior Treasury Data Analyst- Attention SDS Alumni**

This full-time position was shared with us through one of our DSBA alums, [Tony Bejos](#). Ally is hiring a hiring *senior-level* Data Analyst in the CFO's Treasury Department. The ideal candidate would have decent experience with SQL (DB Management and programming) as well as some finance industry knowledge. Interested candidates can reach out to Tony's work email: [miguel.bejos@ally.com](mailto:miguel.bejos@ally.com)



#### **Tresata Summer Internship Program (2024)- Attention SDS Undegrad** **Applications close on November 3rd at 11:59 pm.**

This paid internship lasts for 8 weeks and takes place virtually, with participants from across the globe, literally. We welcome students from all disciplines who have a passion for learning, and a drive to understand, present or analyze data. All SI's will

learn the basics of Tresata's intelligence software. Then you will have opportunities to think creatively, work collaboratively and gain exposure on all things Tresata. Questions? Feel free to email Sophia Lang, HR Generalist, directly: [sophia.lang@tresata.com](mailto:sophia.lang@tresata.com)



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## National Institute of Health Opportunities

Recently, UNC Charlotte faculty member happened to connect with the Chief Health Information Officer of the [National Institute of Health](#) at a national conference. She was explicit in encouraging applications from UNC Charlotte for internships and full-time positions. She took the liberty of sharing several flyers with information specific to the [NIH's new grad hiring mechanism](#).

- [Jobs at NIH](#)
- [Internships at NIH](#)
- [NIH Hiring Process](#)
- [USAJobs Fact Sheet](#)
- [Details on Opportunities](#)
- [NIH Pathway Program](#)

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### Full-Time Positions

- [Data Scientist - Trane Technologies, Davidson, NC](#)
- [Motorsports Data Analyst - General Motors de México - Concord, NC](#)
- [Admissions Senior Analyst for Enrollment Systems - University of North Carolina at Chapel Hill, Chapel Hill, NC \(Hybrid\)](#)
- [Data Scientist- Atrium Health Carolinas Medical Center - Sanger Heart & Vascular Institute, Charlotte, NC \(On-site\)](#)
- [Entry Level Data Engineer - Rebyc Recruiting](#)

### Internships

- [Data Scientist Intern- Red Hat, Raleigh, NC](#)
- [Machine Learning Research Internship at Air Force Research Laboratory \(AFRL\)- Oak Ridge Institute for Science & Education\(ORISE\), Charlotte](#)
- [Data Scientist Intern - Lumen, Remote](#)
- [Undergraduate Technical Intern Summer 2024 - Pacific Northwest National Laboratory \(PNNL\), Remote/Denver, CO](#)

- [Data Science Intern - Coinbase](#) · Raleigh, NC
- [Student Intern - Data Analyst, LabCorp](#) · Durham, NC



## Updating Alumni Info

Keep your contact information current, you'll be sure to receive the latest information on SDS alumni events, news, announcements, and more. With more than 100,000 UNC Charlotte alumni and 800 (and growing) from the School of Data Science, you can connect with other fellow graduates around the globe. Click [here](#) to update your contact and/or professional information.

## Campus Wide Recruitment: UNC Charlotte's Career Center

If your company is looking to target new talent, a reminder for alumni that Hire-a-Niner is still available to you- *as an employer*. You can limit your reach to students- graduate and undergraduate- enrolled in the School of Data Science or target the entire campus. *Please let us know when you post and we will make sure that it also gets featured in the regular SDS newsletters.*

### Posting Jobs & Internships

Setting up an Employer Hire-A-Niner Account:

1. Visit <https://hireaniner.uncc.edu/employer>
2. Please note this is your first invitation to view our policies. "Welcome Employers! Please read our [Employer Policies](#). By using Hire-A-Niner, you agree to adhere to these policies. Please contact our employer team with any questions at [recruitUNCC@uncc.edu](mailto:recruitUNCC@uncc.edu)."
3. Click "Register For A Hire-A-Niner Account"
4. Complete the information, and click "Submit"
5. You will receive a system-generated email confirming receipt of your registration request
6. Within 2 business days, your account will be reviewed for approval

Once you have access to Hire-A-Niner, you will be able to post/manage positions and choose from the many different recruiting services and events we offer each semester. If you are interested in discussing other recruitment and

branding opportunities with the University Career Center, we encourage you to connect with our Employer Engagement Team at [recruit@charlotte.edu](mailto:recruit@charlotte.edu).



## Alumni Social Recap

A quick recap along with some highlights and photos of the lively Alumni Social hosted by the SDS on September 29th.

[Link to story](#)

## GET CONNECTED with SDS!

Feel free to join the School of Data Science GroupMe and Slack Channel for regular updates.

[GROUPME](#)

[SLACK CHANNEL](#)



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