



UNIVERSITY OF NORTH CAROLINA
CHARLOTTE

SCHOOL OF
DATA SCIENCE

Updates from the Director

Greetings all, we trust your semester is going well. That said it is already time to look to next semester! Calry Mahedy has already added March virtual Advising sessions for the HIA and DSBA graduate students to the SDS Google calendar. Undergraduate students should already have begun receiving scheduling information through Connect. For students interested in possibly being a teaching or research assistant for the summer or fall of 2024, a new application has opened. Please visit the Assistantship pages under Current Students on your program website. If you submit a resume it will automatically be shared with all SDS faculty seeking TAs and RAs for summer or fall. **Please do not send bulk (SPAM) emails to faculty seeking placements. We are requesting faculty to ignore all such requests.**

Lastly, if you have not signed up for Women in Data Science- **what are you waiting for?** This is a free event, a full day of training, workshops, and a recruitment fair. It is open to **all students** - but space is limited. Register and plan to join the conversation today!

-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*

Important!

TO READ THE ENTIRE NEWSLETTER CLICK "[VIEW ENTIRE MESSAGE](#)" AT THE BOTTOM OF THIS EMAIL FOR JOB OPPORTUNITIES!

Career Preparation for

SUMMER INTERNSHIPS/ JOBS

Students hoping to obtain a summer internship or a job after May 2024 graduation, be sure to start the process now. Our first recommendation is for students to make sure they are using the Career Center! If you have not already done so, join the [Technology/Data/Analytics Career Community](#) where great organization links, resume examples, and jobs are all listed in one location. Students should also plan on [meeting with a professional career counselor](#) during a scheduled appointment time. Appointments are available both virtual and in-person.

Upcoming Career Fairs: See the full listing of Career Center events [HERE](#)

- [Career & Internship Fair - Wednesday, February 28, 2024, 10:00 am - 2:00 PM, Student Activity Center \(SAC\)](#)
- [Part-Time Job Fair - Wednesday, March 13, 2024, 11:00 am - 2:00 pm, Student Union](#)

Related to this- sign up for this semester's SDS Internship workshop with Dr. Sunshine Niu and Robert Fox:

2024 SPRING SDS INTERNSHIP PANEL

Tuesday, February 6, 2024 | 4:00 to 5:00 pm | Virtual

Planning on a summer or fall 2024 internship? Now is the time to get in the now-sign up and join the faculty as they discuss the requirements for the HIA and DSABA internship programs- how to identify a placement, submit a proposal, etc. There will be a Q&A session as well as an overview of the timeline.

Join Our Team! The School of Data Science is Hiring Peer Advisors

The School of Data Science is starting the process of finding some fantastic students to be a part of the team. We are looking for Undergraduate students or Early Entry students who would be interested in assisting with Summer 2024 Orientation as well as the 2024-2025 academic year. [Applications are currently open](#) and will close on March 12, 2024, at 5 pm. If you are interested and want to know more about the position, please reach out to our current peer advisors, [Shriya Nandimandalam](#) or [Vidhi Shah](#).

Preparing for Summer and Fall 2024

REGISTRATION

Believe it or not registration for the summer and fall 2024 semester is right around the corner. Your academic advisor will be reaching out in the next few weeks to provide additional details about what registration will look like in the School of Data Science.

Some helpful tips to keep in mind as you start planning are:

- The summer schedule of classes at Charlotte is available to view only. If you are looking for a specific course, start looking at your options now. You would sign up for these courses at the same time as your fall 2024 registration.
- **All undergraduate students**, except for students graduating in May, will have an advising hold on their account. This means you will need to meet with Ms. Rella or a peer advisor to enroll in courses.
- If you are *interested in taking a course at another institution*, please understand that this is more of a process. Students who have received a grade of a D or F in a course at Charlotte **MUST** repeat the course at Charlotte.
 - Please reference the [Niner Central Transient Study page](#) for more information!
- **Graduate Students:** You will be receiving information on group advising from Carly in the coming weeks. Watch for those sessions in March!

Mark Your

CALENDAR

Important Dates

- **February 23, 2024** - Last Day of Classes for First-Half Term
- **February 27-28, 2024** - Final Exam Day for First-Half Term Courses
- **March 4, 2024** - Fall 2024 available to preview as well as assigned registration times
- **March 18, 2024** - Last Day to Withdraw from a Full Term Course

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.

Fall 2024 Group Advising Sessions- Graduate Students

These virtual advising sessions will cover curriculum updates, new class options, special topics course offerings, and provide a Q&A forum for continuing graduate students. Please plan to participate in one of the Group Advising sessions to prepare for registration! All sessions are virtual- Zoom links below:

Health Informatics and Analytics

- Tuesday, March 12, 2024 @ 4 pm. Zoom [link](#)

Data Science and Business Analytics

- Session #1 - Wednesday, March 13, 2024 @ 4 pm. Zoom [link](#)
- Session #2 - Thursday, March 14, 2024 @ 4 pm. Zoom [link](#)

Do you have any Incomplete Grades “I’s”?

Incomplete grades that were assigned in Spring 2023 will default to **U’s/Unsatisfactory** at the end of the Spring 2024 semester. To avoid suspension or termination a final grade must be submitted no later than noon on May 13, 2024. Please remind your faculty to encourage their students to meet this deadline.

Monday SDS Seminars

All SDS students are invited to engage in the Monday session. This is your opportunity to connect with companies and industry professionals in person! Sign up and join in the conversation to build your professional networks.

Monday Seminar: A Day in the Life of a Global Practice Lead at Alteryx Monday, February 19, 2024 | 4:00 to 5:00 pm | Dubois Center

Abstract: What is it like to work for a Data Science company? What does a typical day of a Data Scientist look like? From client interactions to managing analytics at scale, this talk will provide a first-hand account of what it takes to be successful working as a Data Scientist.

Presenter/Title: Philipp Maier, Global Practice Lead, Alteryx

[Sign Up
Here](#)



Monday Seminar:

Monday, February 26, 2024 | 4:00 to 5:00 pm | Dubois Center

Abstract: This presentation aims to illuminate the journey of integrating Generative AI (GEN AI) technologies within the financial industry, a sector poised on the brink of digital transformation. As financial entities increasingly turn to GEN AI for its unparalleled capabilities in data generation and analysis, the implementation process presents a unique set of challenges and opportunities. We will explore the strategic pathways for deploying GEN AI in various financial operations, including personalized financial advice, predictive analytics for market trends, and the automation of complex financial processes.

Presenter: Jessica Dunn, Danielle Nashold, Nishitha Kakani

REGISTER

IN-PERSON EVENT

MONDAY SEMINAR SERIES

Sponsored by:



Danielle Nashold
SVP, HEAD OF ENTERPRISE DATA
ARCHITECTURE & AI STRATEGIES



Nishitha Kakani
SENIOR DATA SCIENTIST



Jessica Dunn
SVP, SENIOR DATA SCIENTIST



Implementing
Generative AI in the
Financial Sector:
Strategies, Challenges,
and Opportunities

February 26th,
2024

For more information,
please visit:



HIA Seminars: The Informatics Research Seminar Series

UNC Charlotte and the School of Data Science are pleased to participate in Duke University's weekly Health Informatics Seminar. The Informatics Research Seminar Series is part of a collaboration with the University of North Carolina-Chapel Hill (UNC-CH), North Carolina Central University (NCCU, Durham, NC,), University of North Carolina-Charlotte (UNC-C), East Carolina University (ECU, Greenville, NC), and Wake Forest University (WFU, Winston-Salem, NC). This series explores key areas in Health Informatics and includes research results, an overview of programs of research, basic, applied, and evaluative projects, as well as research from varied epistemological stances. The virtual seminars are held on Wednesdays at 4 PM EST. Coming up in the next two weeks:

- **February 28, 2024- Healthcare is late to digital transformation,** Presented by Chris DeRienzo, MD, MPP, University of North Carolina Chapel Hill.



Other Events and Workshops

Webinar: Data In/Visibility | February 15 at 1 PM ET

On February 15 at 1 p.m. ET, Nikita Shepard and Harris Kornstein will come together to discuss this problem of data in/visibility as they explore it in their contributions to *Queer Data Studies*, an anthology edited by Patrick Keilty featuring essays that examine, from a range of disciplinary approaches, how data impacts queer subjects. With an introduction from Keilty, in a conversation moderated by Data & Society Research Analyst Joan Mukogosi, Shepard and Kornstein will break down the dichotomy between visibility and opacity of queer subjects in data, and engage in the generative practice of thinking about data from and through queerness. [Learn more on their website.](#)

Data Matters: Spring Ahead | March 11 - 15

Data Matters: Spring Ahead is a week-long series of one and two-day courses aimed at students and professionals in business, research, and government. The short course series is sponsored by the Odum Institute for Research in Social Science at UNC-Chapel Hill, the National Consortium for Data Science, and RENCI. [Learn more on their website.](#)

The Data Metaverse: Unpacking the Roles, Use Cases, and Tech Trends in Data and AI-

March 21, 2024, at 2:00 pm ET

LIVE WEBINAR with Aindra Misra, Sr. Staff Product Manager of Data & AI at BILL (Previously PM Lead at Twitter/X) [Register now](#) to reserve your spot.

CCI Black History Month Events

- Dr. Juan E. Gilbert, honored by President Biden, will present "Computing for Social Good: Changing the World with Innovations in Technology" on Feb. 16, 10:00-11:30 am, at Student Union 340DEF & Zoom, followed by a student lunch at 12 pm. Co-hosted by the Black Research Support Network, CCI Equity & Inclusion Committee, and the College of Humanities & Earth and Social Sciences.
- CCI Book Club presents a casual discussion of "My Monticello" by Jocelyn Nicole Johnson on Feb. 23, 1:30-2:30 pm, tentative room Woodward 155. All are welcome.
- #YouBelong2: Navigating Graduate Education, a workshop hosted by the Black Research Support Network, addresses racial barriers in computer science for Black undergraduate students. The conference on graduate education in computing and engineering is open to all students, advocates, and allies.

Public Health Data Science: The Next Decade

Explore the future of data science in public health on February 29, 2024, from 1:00-

2:30 p.m. online. The event will discuss statistical methods in population health research, future trends in the field, and ways to strengthen public health research. Co-hosted by BUSPH Population Health Data Science Program and Boston University Faculty of Computing and Data Science. Contact spevent@bu.edu for questions or accommodation requests.



CCI Business Partners

The College of Computing and Informatics publishes a weekly newsletter with information about networking events, tech talks, and general workshops for students. These are open to all SDS students- undergraduate and graduate students. Coming up next week is a Career fair, Tech Talks from Moody's financial TIAA, Truist, and several more. Check your inbox for this week's edition!



CCI Business Partners Program February 13, 2024



The [Women in Data Science Conference](#) will feature a Career Fair during

lunchtime on March 21st. Be sure to [register](#) for this [free](#) conference and check out the [list of companies](#) attending the Career Fair. Note that this list isn't final and we plan to add more!

The graphic features a background image of a university building. Overlaid on this is the text "WOMEN IN CONFERENCE DATA SCIENCE" in large, bold, green and white letters. Below this, it says "March 21, 2024". To the right is a circular portrait of Liz O'Sullivan, a woman with glasses and red lipstick. Next to her portrait is a dark green circle containing the text "Liz O'Sullivan: Morning Keynote". Below the date is the UNC Charlotte logo and the text "SCHOOL OF DATA SCIENCE". To the right of that is a globe icon and the text "Women in Data Science Worldwide". A QR code is located in the bottom left corner.

The graphic has a light, textured background. The text "AFC Registration" is written in a large, elegant, dark green script font. Below it, the word "OPEN" is written in a bold, gold, sans-serif font.

Save the date! Student tickets for the [Analytics Frontiers Conference](#) (April 16th at the Convention Center) will be available on March 16th. Student rates are \$49. If you would like the opportunity to attend the conference for free, we are recruiting volunteers! Interested students may email [Carly Mahedy](#) for more information.



Keynote
Brandeis Marshall

ANALYTICS CONFERENCE FRONTIERS

April 16, 2024
Charlotte Convention Center



Keynote
Damien Williams

Campus Resources

As part of our efforts to highlight campus resources available to SDS students we have links to two campus units that may be helpful to you in your time at UNC Charlotte: Students who have an Early Alert in the last few weeks from an instructor, should utilize these services now to turn things around as soon as possible.

- **University Center of Academic Excellence (UCAE):** UCAE is dedicated to supporting students across a diverse list of courses, offering a wide range of resources to ensure academic success. They aid students to excel in their coursework through various services including personalized tutoring, dynamic workshops, peer-assisted learning sessions, personal academic consultations, SOS peer mentoring, and accountability groups.
- **Math Learning Center:** The Math Learning Center's team of tutors is committed to assisting students by providing personalized support tailored to their individual needs across a wide range of mathematical topics. They offer tutoring to any enrolled student regardless of major or academic standing.



For the second straight year, the Carolina Hurricanes & UNC-Charlotte's Sports Analytics Program have come together to create the Carolina Hurricanes Sports Analytics Challenge. This is an excellent opportunity for students who would like to get real-world experience by working in the sports business analytics industry or sports business industry.

- 4-5 week program
- Up to 20 students selected, split into groups of 4 or 5
- At the end of the challenge, all 20 students will be invited to the PNC Arena & present their group project to the Carolina Hurricanes' Business Strategy & Analytics Team in a boardroom-type setting on April 5th (Friday)
- All students will then attend a home game that night (as special guests of the Hurricanes) to see the Carolina Hurricanes vs Washington Capitals
- **Application deadline: February 15th!**

[Learn More & Apply](#)

NCHS/ Academy Health Data Visualization Challenge

The 2024 NCHS/AcademyHealth Data Visualization Challenge is open for submissions from graduate students (master's or doctoral level) to create static or interactive data visualizations to address social determinants of health using NCHS public use files with non-NCHS public use data. Apply today for a unique opportunity to explain an important trend or disparity in public health.

Please note: Once the Intent to Apply is submitted, applicants will receive a link to the full application. Applicants must submit a full application to enter the Challenge.

Questions about eligibility or application instructions? Please contact

Full application due Monday, March 11th at 5 pm

Visit our
Website

Charlotte-Area Informs Data Science and Analytics Information Session

February 20, 2024 | 6:00 pm-8:00 pm

INFORMS is your home for a diverse collection of academic and industry experts in the data and decision sciences. From operations research to analytics, management science, economics, behavioral science, statistics, artificial intelligence, data science, and applied mathematics, we believe that our members and their work are shaping smarter decisions for a better world

Register Here

Data Science and Health Informatics In The NEWS

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

From American Medical Informatics Association's (AMIA) [Informatics SmartBrief](#) Newsletter.

- **[Generative AI implementation needs a broad focus for health care](#)**- A Deloitte survey of 60 health care executives implementing generative AI found that most are focused primarily on data availability, reliability, quality, security, and privacy, potentially leaving blind spots when it comes to data governance, patient priorities, and workforce needs. Focusing on consumer and workforce considerations along with data considerations would help healthcare organizations maximize generative AI to augment healthcare delivery in an unbiased, trustworthy, equitable way, according to the report. **[Full Story: Health IT Analytics](#)** (2/1), Healthcare Innovation (1/31)

- **[Isaac Kohane discusses the future of AI in healthcare](#)**- Isaac Kohane, chair of the Department of Biomedical Informatics and director of the AI in Medicine program at Harvard Medical School, says artificial intelligence skills will be increasingly important as large data companies get more involved in

health care and the demand for medical services grows. Specific applications for AI in health care include billing and reimbursement, prior authorization, clinical documentation, and patient communications, while the greatest danger posed by AI "would be AI that's implemented by players that don't necessarily have the patient's best interests at heart," Kohane says. [Full Story: Harvard Political Review \(2/10\)](#)

From Data Science Current- A monthly newsletter from the Data Science Council of America

- **Building Trust in the Digital Age: The Role of Data Verification-** Data has famously been referred to as the "new oil," powering the fifth industrial revolution. As our reliance on data-intensive sectors like finance, healthcare, and the Internet of Things (IoT) grows, the question of trust becomes paramount. Trust is a multifaceted issue when dealing with data and events, and one core component is data verification. [...] The post Building Trust in the Digital Age: The Role of Data Verification appeared first on [DATAVERSITY](#), JANUARY 26, 2024
- **7 Libraries for Machine Learning-** Introduction Machine learning has revolutionized the field of data analysis and predictive modeling. With the help of machine learning libraries, developers and data scientists can easily implement complex algorithms and models without writing extensive code from scratch. In this article, we will explore the top 7 libraries for machine learning and understand their features, use [...] The post 7 Libraries for Machine Learning appeared first on [Analytics Vidhya](#). JANUARY 29, 2024



From Digital Health Highlights

January 2024 | Dave Lake | Publisher | Circle Square | www.circlesquareinc.com

Below please find a link to download the January 2024 edition of Digital Health Highlights, which contains excerpts from their monthly curation of the news in digital health. This month they look at General Catalyst's HATCo buying Summit Health to demonstrate the value of its healthcare technology investments. And with weight loss drugs top of mind, drugmakers have been scrambling to join a two-horse race between Novo Nordisk and Eli Lilly to lead the market, which could be worth tens of billions in less than a decade. [DOWNLOAD THE REPORT HERE](#)

Other Newsletters and Resources:

Medium- Medium is an open-source online publishing platform where anyone can publish and share insightful

perspectives and useful knowledge. It has a wide-ranging offering of topics including: Programming, Data Science, Technology, Self Improvement, Machine Learning, etc. In addition to their website, they also publish a daily e-newsletter.



SouthBDHub- *The monthly newsletter contains a listing of news, events, and opportunities in data science, analytics, engineering, and policy. A selection of stories and announcements are below. Subscribe to their Listserv.*



Data Science Community Newsletter- One more resource to keep in the know for new tools, events, job postings, and developing trends in data science- **subscribe today.**



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

Below you will find a current listing of postings that have been shared with the SDS team or posted on the [Career Center's Hire-a-Niner site](#). We encourage you not only to apply for specific postings but also to explore and familiarize yourself with the companies and organizations actively recruiting UNC Charlotte and SDS students. In addition to these postings, we strongly encourage you to build your professional network through the Monday SDS Professional Seminars, CCI Business Partner's Program, and various networking events scheduled throughout the semester.

Featured

INTERNSHIPS

Novo Nordisk Summer 2024 Internship/Clinical Data Science- Remote/Virtual

Novo Nordisk is a healthcare company, founded in 1923 with its global headquarters located just outside Copenhagen, Denmark. They employ more than 64,000 people in 80 offices around the world, This summer their Clinical Data Science team is seeking two UNC Charlotte SDS students enrolled in either the HIAN or DSBA graduate programs for a summer research project.

Basic required qualifications for candidates:

- Advanced R (dplyr/dbplyr database manipulations) or equivalent SQL skills
- Familiarity with analysis of large relational databases
- Good understanding of data visualization techniques
- Knowledge of R-markdown

The SDS will host a virtual information session on Tuesday, February 27th. You can find the session and register on the SDS calendar [here](#).

Health Evolve Summer 2024 Internship

Health Evolve (<https://healthevolve.co/>) creates patient-centered technologies at the intersection of care and culture. Their primary focus is global health equity. Basic required qualifications for candidates:

- Pursuing a Master's degree in Data Science, Health Informatics, or a related field
- Must be enrolled full-time (12+ credit hours) during working semesters
- 3.0 or higher GPA
- Commit to 5-10 hours of work per month (April- May 2024)
- Experience or interest in working in health, public health, or a related field is a plus
- Experience with at least one programming language
- Secure, personal or University-issued laptop, internet, and phone are needed for this
- virtual role

Please fill out the below form and upload a current resume. You must be enrolled in either the HIA or DSBA master's degree program. Interested students should [apply here](#).

**More
Info**

Internships

- **Data Scientist Development Program at ADP** | Alpharetta, GA
 - **Supply Chain Data Analytics Co-op (Fall Cohort)** | Multiple Locations
 - **Business Intelligence Intern** | Charlotte, NC
 - **Data Science Intern** | Remote
 - **Intern, Data Analyst, Scientist** | Remote
 - **Data Scientist Graduate Intern** | Remote
-

Featured

JOBS

Financial Risk Group (FRG) - Cary, NC

FRG is a small boutique consulting firm that helps some of the largest financial institutions in the world manage their risk. FRG created an Academy, the **New Employee Excellence Training (NEET) program**. Some of you may have connected with them on campus at last Friday's STEM Fair. More information can be found **HERE**.

Jobs

- **Manager of Education Initiatives: Data Science and Computational Thinking at American Museum of Natural History** | New York City, NY
- **Social Science Research Analyst** | Washington, DC
- **Data Analyst I (Quality Improvement)** | Remote
- **Data Scientist** | Charlotte, NC
- **Associate Data Scientist** | Remote
- **Business Intelligence Analyst** | Remote

Full Job
List

GET CONNECTED with SDS!

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

GROUPME

SLACK
CHANNEL



UNC Charlotte's School of Data Science | 9105 University Rd, Charlotte, NC 28223

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