Updates from the Director

Hello Everyone,

The semester is well underway, and we hope you're off to a strong start! This month is packed with exciting networking opportunities, including events with Duke Energy, Honeywell, and Trane Technologies. Additionally, don't miss the valuable offerings from the Career Center. If the Career Fair felt overwhelming, you can look forward to smaller, targeted events that provide in-depth career and mentoring conversations. Notably, from September 23-27, 2024, we'll be hosting a week dedicated to Health Analytics and Data Science as part of the Technology, Data, & Analytics Career Community Week. This week will feature panels, resume workshops, and seminars tailored to Data Science. Beyond career events, we are also beginning to schedule advising sessions for Spring 2025 registration, which will open on September 30th.

Best regards,

Josh

Call for Content

Have an event or story idea for the SDS community? Please send your submissions to **Lindsay Lennon**, SDS Communications and Events Manager.

Important!

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

Announcing our New Student Council Officers!

Please join me in congratulating the new officers of the School of Data Science – Student Council! We are excited to welcome this dedicated team, who will be planning and hosting various events, programs, and meetups for our students. Your engagement through nominations has been greatly appreciated, and we look forward to an enriching semester ahead.

Meet Your New Officers:
President: Paige Pickett
Vice President: Hridita Rubyat
Marketing Officer: Hayat Naqvi
HIA Representative: Ronya Alhumaidi
New Student Liaison: Chloe Partrick

The Student Council, formerly known as the Student Organization, is dedicated to fostering opportunities for students to connect with professionals, enhancing both personal and professional development. Alongside the Undergraduate Association of Data Science, our Graduate Student Council plays a vital role in supporting our diverse student body and providing valuable feedback on our programs and curriculum. Watch this space for more information as to their goals for the 2024-2025 academic year!

HIAN MS Capstone Information Session- Thursday, September 26, 2024, from 4:00 PM to 5:00 PM

CHARLOTTE
SCHOOL OF DATA SCIENCE

HIAN MS Capstone

Join us for a virtual session to explore the two HIAN MS Capstone options: HCIP 6400 Internship and HCIP 6250 Capstone. We will discuss course prerequisites, paperwork timelines, proposal requirements, and project expectations for each option. This free event is a great opportunity to understand which capstone path best suits your goals. **Click here to receive the Zoom details**.
This is your chance to talk directly with faculty and staff about the Capstone options-
Don't miss it!

DSBA MS Capstone Options - DSBA 6400 Internship vs. DSBA 6991 Master's Thesis: Thursday, October 3, 2024, from 4:00 - 5:00 PM

Join us for a virtual event to explore the DSBA MS Capstone options: DSBA 6400 Internship and DSBA 6991 Master's Thesis. We'll cover course prerequisites, key deadlines for paperwork and proposals, and what's expected for each project. This free session will provide essential information to help you choose between the internship and thesis paths. Register through the link above to receive Zoom details by email. Don't miss this opportunity to clarify your capstone choice!

New Ph.D. in Data Science: Information Sessions Coming Soon!

The School of Data Science (SDS) announced the approval of the new Ph.D. program by the UNC System Board of Governors in June. Pending final accreditation by SACS, the degree is set to launch in fall 2025. This program will feature two pathways: one for future industry leaders and another for academic careers, focusing on machine learning, AI, and statistics, along with data ethics and social implications. The Ph.D. program expands on our Master's and Bachelor's degrees and reinforces our commitment to advancing data science education. SDS will also join the College of Computing and Informatics (CCI), boosting interdisciplinary research and faculty development. *Stay tuned for details on our October information sessions to learn more about this exciting new program!* Founded in 2020, SDS is the first School of Data Science in the Carolinas, collaborating with several UNC Charlotte colleges and supporting North Carolina's $41.2 million investment in data science and engineering. More information regarding the degree proposal can be found **HERE**.

Save The Dates: WIDS and AFC 2025

We're thrilled to announce the 2025 Women in Data Science (WiDS) Conference and the Analytics Frontiers Conference. The Women in Data Science Conference will be on March 25, 2025, at the UNC Charlotte Marriott Conference Center, with Lowe's Corporation as the title sponsor, offering FREE registration. Hosted by UNC Charlotte's School of Data Science, it focuses on inspiring and supporting data scientists in the Carolinas.

The Analytics Frontiers Conference, celebrating its 11th year, will be held on April 3, 2025, at the Uptown Hilton with Truist as the title sponsor. It's the **largest data science conference in the region**, drawing over 500 industry leaders.
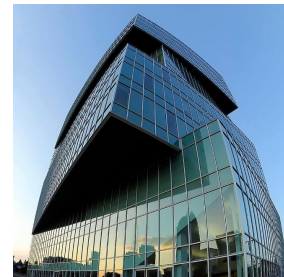
Important Dates

- **September 19, 2024- Deadline to apply for December 2024 Graduation**
- **September 30, 2024-** Spring 2025 Schedule of Classes available online
- **October 14-15, 2024-** Student Recess – No Classes
- **October 17, 2024**- Last day to withdraw from course(s); grade subject to Withdrawal Policy
- **October 28, 2024-** Registration for Spring 2025 begins

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. Find the full SDS Calendar of Events on the program website.

Technology, Data, & Analytics Career Community Week: September 23-27, 2024

Are you interested in working in a cutting-edge field where technology and analytics drive innovation? Do problem-solving, inquiry, and applying analytics skills excite you? Explore career opportunities across various majors and interests by joining us for *Technology, Data, & Analytics Career Community Week!* On Tuesday there will be a featured event: Data Analytics Decoded: Insider Tips for Job Hunting and Interviewing September 24th @ Dubois Center led by Dr. Douge Hague. Get ready to succeed in the competitive data analytics job market! Join our panel discussion, "Data Analytics Decoded," where industry professionals will share insider tips for job hunting and interviews. Hear directly from experts who will offer practical advice on how to stand out and excel in your career journey. Find the full list of events **HERE**.

SDS Monday Professional Seminars- Coming Up

Join us every Monday from 4:00 to 5:00 PM at the Dubois Center for exclusive insights from national and local employers across financial services, manufacturing,

retail, and healthcare. Connect with industry leaders, explore career opportunities, and tackle data challenges. Enhance your career—don't miss out! Check out the full fall schedule **HERE** and register to secure your spot.

- **Honeywell Seminar: Generative AI in Action- Join Us Thursday, September 19th at 4:00 PM-** Discover how Honeywell is transforming business processes using generative AI. Tabassum Fatima, an AI/ML expert with 10+ years of experience, and Christine Kim, an Advanced AI Engineer with 4+ years of experience, will showcase real-world AI projects, including a classification and chatbot initiative. **Register Here.**

- **Explore Data Science at Trane Technologies!** Join us on Monday, September 23, 2024, from 4:00 to 5:00 PM at the Dubois Center, UNC Charlotte, Room 502. How do data science professionals navigate a changing economic landscape? Adam Kicklighter, DSBA alum, will highlight how fiscal policies impact hiring practices and the importance of building meaningful professional relationships. Attendees will learn to create authentic connections, identify job opportunities aligned with their skills, and adapt to industry shifts. Adam Kicklighter combines a background in education, corporate finance, and data science to enhance operational efficiency and mitigate risk at Trane Technologies. **Learn more about our speakers and register HERE!**

- **Undergraduate Students who are interested in Early Entry**, come find out more! There will be a Data Science Early Entry Interest Meeting on September 20th from 1:00 - 2:00 PM online on Zoom. Register now and we will send you the link!

Register Here Today!

Attention Students Interested in Health Analytics: The Informatics Research Seminar Series Virtual Sessions | Wednesday @ 4:00 pm

The Informatics Research Seminar Series, sponsored by Duke University and collaborating institutions (UNC-Chapel Hill, NCCU, UNC-Charlotte, ECU, and WFU), offers valuable insights into Health Informatics. Seminars cover industry perspectives, research results, and diverse projects in the field. Join us on Wednesdays at 4 PM EST to engage with industry leaders and researchers. Check

International Festival is for Everyone!

September 21, 2024 | 10:00 AM to 6:00 PM | Barnhardt Student Athletic Center

Explore the world at Charlotte's longest-running international festival, hosted by UNC Charlotte's Office of International Programs. Enjoy a day where you are surrounded by arts, crafts, costumes, food, music, and dance in a marketplace-style experience. More information

Save the Date: HIAN Advising Sessions for Spring 2025- Wednesday, October 16th @12:00 PM

It's time to start planning for your Spring 2025 schedule. We will cover degree requirements, course options, special topics, common registration issues, and the process for prior authorization. Don't miss this opportunity to get all the information you need for a successful Spring semester! Join the Meeting

Save the Date: DSBA Advising Sessions for Spring 2025

It's time to start planning for your Spring 2025 schedule! Join us for one of our upcoming virtual group advising sessions:

- **Thursday, October 10th at 12:00 PM:** Join the Meeting
- **Wednesday, October 16th at 4:00 PM:** Join the Meeting

We will cover degree requirements, course options, special topics, common registration issues, and the process for prior authorization. Don't miss out on this valuable information for planning your Spring semester!

Fall 2024 Golden Hack: Impact Weekend

Looking to enhance your resume, gain hands-on experience, and potentially win cash prizes? Join us for the Golden Hack: Impact Weekend, a hackathon-style event where students from all majors and backgrounds collaborate to solve real-world problems. The Fall 2024 Golden Hack: Impact Weekend will be held from
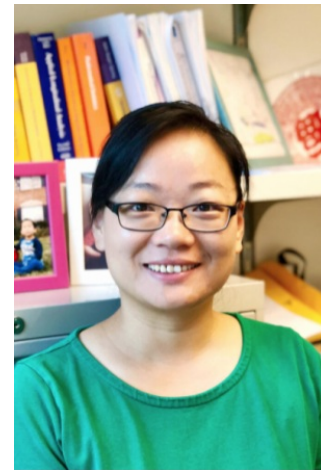
October 18th to 20th at the PORTAL building. This event provides a unique opportunity to learn, brainstorm, and pitch ideas in a supportive environment. You'll work with industry mentors and network with UNC Charlotte faculty, community founders, and industry leaders. Don't miss this chance to expand your skills and challenge yourself! For more information, click **HERE**.

Faculty & Staff NEWS

Shaoyu Li - New Program Director for DS PhD

Shaoyu Li: **Associate Professor, transitioning into PhD Program Director:** We are excited to welcome Shaoyu Li as the new PhD Program Director for the School of Data Science. She will help to prepare for the launch of the Ph.D. program, including the development of admission requirements, admission process, and other related policies and requirements. Dr. Li, Assistant Professor at UNC Charlotte, holds a Ph.D. in Statistics and Quantitative Biology from Michigan State University and an M.S. in Statistics from Huazhong University. Her research focuses on statistical genetics, developing methods to analyze cellular compositional effects and transcriptional changes in human diseases, and novel statistical methods for mobile health studies.

Resources

NC TECH Unveils Latest IT Job Trends Report

The NC Technology Association (NC TECH)

has introduced its new IT Job Trends Dashboard, offering an in-depth look at North Carolina's IT job market. The latest report reveals a nearly 10% increase in IT job postings for July, contrasting with a 4% national decline. Charlotte and Raleigh-Cary are leading in job openings. Highlighting the state's growing tech scene, CBRE's report positions the Research Triangle as a key tech hub with significant workforce growth. For detailed insights on job trends, skills, wages, and top employers, visit the NC TECH IT Job Trends Dashboard.

Other Events
AND WORKSHOPS

INFORMS Insights Webinar: Generative AI and Your Career, Date & Time: September 19, 2024, 1:00 PM EDT

Join us on September 19, 2024, at 1:00 PM EDT for the INFORMS Insights webinar, "Generative AI Will Not Take Away Your Job – At Least Not in the Way You Think." This session, designed for early-career analytics professionals, will feature Dr. Segev Wasserkrug from IBM Research and Technion. Discover how Generative AI is reshaping analytics, the opportunities it presents, and why mastering this technology alongside OR/MS can enhance your career. Don't miss this chance to gain valuable insights and stay ahead in the evolving field of analytics.
Free for members! Register here.

2024 NASA Space Apps Challenge | Multiple Locations | October 5 - 6:

The NASA International Space Apps Challenge is a hackathon for coders, scientists, designers, storytellers, makers, technologists, and innovators around the world to come together and use open data from NASA and its Space Agency Partners to create solutions to challenges we face on Earth and in space. Learn More Here.

Summit for Women in Tech

September 25-26 | New Bern, NC

Join NC TECH, presenting sponsor Blue Cross Blue Shield of North Carolina, and women from across North Carolina for the fourth annual Summit for Women in Tech in New Bern, NC, September 25-26. This women-only summit will feature candid conversations with women tech leaders where we explore gender bias, share our unique journeys, discuss how to shift the paradigm, and provide insights on advocating for change both now and for the next generation. **Full details and registration**.

NCHIMSS Annual Conference: Building the Future of Healthcare Together

October 10-11 | Wrightsville Beach, NC

The North Carolina Chapter of the Healthcare Information and Management Systems Society (NCHIMSS) aims to enhance healthcare in North Carolina through information and technology. We offer distinctive educational and networking opportunities for healthcare providers and IT leaders across the state, promoting the exchange of ideas to tackle the evolving challenges in healthcare. Join us at our annual conference to network with top professionals and advance your knowledge in healthcare IT! More information.

DataCamp Data Literacy Month Free Virtual Events

Join DataCamp's Free Virtual Events this September to boost your data and AI literacy! Learn from global experts through webinars, podcasts, and more. Don't miss this chance to enhance your skills!

2024 NCDS Fall Career Panel: Analyzing Data Science Careers | Virtual | October 9 at 5 PM ET

Do not miss hearing these data science professionals provide insight into what it takes to capture the attention of top recruiters in data science and data analytics. Our panelists represent a variety of career stages and they are ready to discuss what it takes to set yourself apart as you launch your career search. During our fall event, you'll join panelists working in data and AI security, human movement analysis in research and clinical labs, and more as they explore the paths that lead to a career in data science. The journey looks different for everyone, but a dream job is the destination. We'll discuss a few examples of what it takes to get there and dive

into the hard and soft skills that make a top candidate the only candidate for a role in this competitive field. Register here!

Campus Resources and Policies

- **Niner Finances**: Need help Managing your funds? Take advantage of Niner Finances. Niner Finances provides the tools, knowledge, and resources for the UNC Charlotte community to increase their financial wellness. It equips them with the behavioral skills needed to make more informed financial decisions. Every month, there will be 1-2 events on various financial wellness topics. These events are open to all UNC Charlotte members (faculty/staff, undergraduate, and graduate students).

- **September Workshops:**
  - 9/25: Get Savvy W/ Savings & Investing - Cone Center, RM 113: 12:30-1:30 pm

- **Jamil Niner Student Pantry**: The Jamil Niner Food Pantry was created to address food insecurity on campus. It is a resource available for all UNC Charlotte students and staff. Located on 1224 John Kirk Drive, those in need can schedule a visit though the Food Pantry Request forms. The pantry needs volunteers and donations. Sign up on Niner Engage for weekly volunteer shifts. Gifts and food or monetary donations are also accepted. A list of suggested items and a link to donate can be found here.

Data Science and Health Analytics In The NEWS

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

- From ***KDnuggets*: 5 Quirky Data Science Projects to Impress**- Develop unique yet standing-out data science projects to improve your data portfolio. By Cornellius Yudha Wijaya, KDnuggets Technical Content Specialist on September 12, 2024 in Data Science

- From **Data Science Community Newsletter:** Audio of the Week:15 Aug 2024. Steve Strogatz (Cornell) interviews Daniela Rus (Harvard). Are Robots About to Level Up? The Joy of Why podcast.

- From **Data Science Community Newsletter:** AI Medical Devices Approved Without Randomized-Controlled Trials- The social scientists in the previous item truly went to extraordinary lengths to design a good randomized-controlled trial to investigate universal basic income. One might expect? assume? hope? that AI-powered medical interventions would require RCTs to get FDA authorization. That is not the case. A new study in *Nature Medicine* …

Other Newsletters and Resources:

A limited selection of current newsletters and sites dedicated to data analytics.

- **American Medical Informatics Association (AMIA) SmartBrief's Newsletter-** This weekly publication shares news and insights about Health informatics.

- **Data Science Community Newsletter**- Published by the ADSA, this is one more resource to keep in the know for new tools,

events, job postings, and developing trends in data science. Download this month's newsletter HERE.

- **Data Science Current**-This weekly publication shares news and insights about Health informatics.

- **empowHERed**- Focuses on women in the sports industry they offer webinars, a newsletter, and networking events to our Mentor Program and Career Pipeline.

- **KDnuggets**- KDnuggets is an online site for Data Science, Machine Learning, AI, and Analytics, edited by Matthew Mayo. KD stands for Knowledge Discovery.

- **Kaggle**- Kaggle, owned by Google LLC, is a platform and community for data scientists and machine learning practitioners. Users can discover and share datasets, create models in a web-based environment, collaborate with others, and compete in data science challenges.

- **SouthBDHub**- A monthly newsletter lists news, events, and opportunities in data science, analytics, engineering, and policy.

- **Medium**- Medium is an open-source online publishing platform where anyone can publish and share insightful perspectives and useful knowledge. In addition to their website, they also publish a daily e-newsletter.

- **Women in Data**- Women in Data is a global network with over 70,000 members across 60+ countries.

Featured

JOBS

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

Below is a current listing of postings shared with the SDS team or posted on the Career Center's Hire-a-Niner site. If you are interested in sharing a position posting, you can email the information directly to Joshua Hertel (jhertel@charlotte.edu) or access the full UNC Charlotte community through the Career Center- **See Below***.*

Featured

JOBS AND INTERNSHIPS

- **Future IT Leaders: Summer 2025 Intern at Honeywell Charlotte NC:** The Honeywell Future IT Leaders Summer 2025 internship offers students hands-on experience in various IT areas, preparing them for future leadership roles. Interns will engage in challenging projects, gaining skills in cybersecurity, data analytics, and cloud computing. The program focuses on mentorship and professional development, offering a pathway for future full-time positions at Honeywell. You can explore more here.

- **Data Science Intern at The Hartford: Charlotte NC/Hartford CT/Chicago IL :** The Hartford's Data Science Internship offers students hands-on experience in machine learning, predictive modeling, and data analytics. Interns will work on real-world projects to drive business insights, develop technical skills, and collaborate with data science professionals. The program emphasizes growth and could lead to full-time opportunities at The Hartford. More details can be found here.

- **Internship Opportunity with E15/Compass Group:** We're excited to announce a new internship opportunity with E15 Group at Spectrum Center for the 2024-2025 NBA season. As the arena reopens after phase 1 renovations and phase 2 planning gets underway, we're seeking a talented intern to assist with event reporting, data collection automation, and business intelligence tool enhancements. This is a fantastic chance to gain hands-on experience in a dynamic, fast-paced environment. Don't miss out on this opportunity! Apply today!

- **Senior Data Engineer (Remote) with Compass Technology:** Compass Technology, part of Compass Group, is seeking a Senior Data Engineer to design and maintain scalable data pipelines. This hands-on role focuses on Snowflake optimization, SQL, and Python for data ingestion, extraction from APIs, and workflow automation using AWS Lambda and Airflow.

-Qualifications:

- 7+ years in Data Engineering
- Expertise in Snowflake, SQL, Python
- Experience with AWS services (Lambda, Airflow)
- Familiarity with ETL/ELT processes Apply today!

Internships

- **Tech Catalyst Intern: Data Engineering**: The Hartford, Charlotte NC/Hartford CT (Hybrid)
- **2025 Data Science and Analytics Intern-** Trane Technologies, Davidson, NC
- **Data Scientist Advanced Development Program**, Vanguard, Charlotte, NC
- **2025 Quantitative Analytics Development Program, Risk Analytics & Decision Science (Master's)- Early Careers**, Wells Fargo, Charlotte, NC (More Info)
- **2025 Corporate Risk Summer Intern Program (Master's) - Early Careers, Wells Fargo**, Charlotte, NC
- **Data Science Intern**, National Gypsum, Charlotte NC
- **Various Internships, Duke Energy, Charlotte NC** (Including "IT Summer Intern, Telecommunications Summer Intern, and more)

Jobs

- **Data Engineer-**Ahold Delhaize USA, Salisbury, NC (On-site)
- **U.S. Office of Personnel Management (OPM)**, Data Scientist, United States-Remote
- **Microsoft Healthcare Data & AI Technical Specialist -** Database- Microsoft, North Carolina, United States
- **Sr. Data Modeler-** Krispy Kreme, Charlotte, NC
- **Data Scientist-** Vanguard, Specialist, Charlotte, NC
- **Data & Analytics Leader-** Slalom, Charlotte, NC

Rotational Programs

Rotational programs are company-sponsored initiatives that allow employees to work in different roles or departments within the company during the program. Employees get to try new tasks to learn about different roles and departments.

- **2025 Data Science Rotational Development Program**- AGCO, Champaign, IL
- **Data Scientist Advanced Development Program-** Vanguard, Charlotte, NC
- **2025 Quantitative Analytics Development Program, Risk Analytics & Decision Science (Master's)- Early Careers-** Wells Fargo, Charlotte, NC

Specialize Job Search Resources for Data Science and Analytics

Jobs & Internship Sites

- **Hire-A-Niner:** hireaniner.charlotte.edu
- **Dice.com:** www.dice.com/jobs
- **The Muse:** www.themuse.com
- **Data Jobs:** datajobs.com
- **Hire Tech Ladies:** www.hiretechladies.com
- **Uncubed:** uncubed.com
- **Crunchboard:** crunchboard.com/jobs
- **Just Tech Jobs:** justtechjobs.com
- **Wellfound (tech startup jobs):** wellfound.com/jobs
- **Product Hunt:** producthunt.com/jobs
- *New Resource: NCTECH Job Board: https://ourmembers.nctech.org/jobs*

For international students:

- **GoinGlobal:** goinglobal.charlotte.edu
- **H1-B Employer Data Hub:** uscis.gov/h-1b-data-hub
- **MyVisaJobs:** www.myvisajobs.com
- **OPTNation:** www.optnation.com

- **Ultimate H1-B Sponsor Checker** (for LinkedIn and Indeed)

Alumni CORNER

SDS Fall Alumni Networking Event

SDS is hosting a Fall Alumni Networking Event in late October, providing a valuable opportunity to connect with current and former students and faculty. The event will also feature an exclusive preview of our new PhD in Data Science program. Attendees will learn about the program's curriculum, application requirements, timelines, and funding opportunities. More details and an information link will be shared in our next newsletter.

Alumni Recruitment: UNC Charlotte's Career Center

Interested in recruiting talented UNC Charlotte students and graduates? We remind you that as an alumni, Hire-A-Niner is still available to you- **as an employer**. Here's what you can do:

- **Post jobs and internships**: Reach a wide range of students, or target specifically by major (like Data Science) or program level (graduate/undergraduate).
- **Get featured in the School of Data Science (SDS) newsletter:** Let us know when you post a relevant job, and we'll promote it to SDS students. **Email Josh Hertel - at jhertel@charlotte.edu** to share postings.

Ready to get started? Visit https://hireaniner.charlotte.edu/ to set up your free Hire-A-Niner employer account. It's a quick and easy process. **Questions?** Contact our Employer Engagement Team at recruit@uncc.edu in the Career Center. We're happy to help and discuss other recruitment opportunities.

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