UNIVERSITY OF NORTH CAROLINA CHARLOTTE | SCHOOL OF DATA SCIENCE

Updates from the Director

Welcome to October, the semester is flying by. Check out the **SDS Calendar** for upcoming events. In addition to the SDS Monday Seminars, and the HIA Wednesday Research Seminars, we have added a series of **virtual advising sessions** for the HIA and DSBA students. For undergraduates, please make sure to reach out to your advisor. **Registration for spring 2024** will open on October 30th. We have information about several special topics courses below. Also, for those of you planning on a spring internship (graduate students), we had an information-dense presentation last week on the **Internship**. If you missed it you can see the full recording **here**.

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!

IMPORTANT DATES:

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

- **October 2, 2023:** Spring 2024 Schedule of Classes available on the web
- **October 2, 2023:** Undergraduate Student registration appointment times available
- **October 4, 2023** Tech Talks about internships with TIAA- 4 pm-5:15 pm
- **October 5, 2023:** Tech Talks about Careers & Trends- 4 pm-5:15 pm
- **October 13, 2023:** Unsatisfactory Mid-Term Grades due for Fall 2023 by noon
- **October 13, 2023:** Career Trek with Lowe's- 10 am-1 pm
- **October 17, 2023:** Unsatisfactory Mid-Term Grade notices emailed to students for Fall 2023

- **October 17, 2023:** HIAN Group Advising ·4:00 – 5:00 pm- Virtual
- **October 18, 2023:** DSBA Group Advising #1, 12:00 – 1:00 pm- Virtual
- **October 18, 2023:** DSBA Group Advising #2, 4:00 – 5:00 pm- Virtual
- **November 1, 2023:** Career Trek with TIAA- 11:45 am- 3 pm

Reminder About Advising

Advising for undergraduate students for spring 2024 is underway! All students should have received additional information about how to schedule an appointment this week. Please keep in mind that we have two types of appointments available to students - online and in person. We also will be offering night time appointments online for the first time! Advising is required once a term for ALL students. If you have any questions or concerns, please reach out to Deanna Rella, drella@charlotte.edu.

Graduate Students: 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.

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.

SDS Seminars are back

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

- **October 2, 2023: 'Getting' Started with Git Hub** - Colby T. Ford, Ph.D., Principal Consultant, **Tuple**, LLC. and VP of Technology **@Amissa**
- **October 9, 2023: How to get and keep a data scientist job in Model Risk Management**- Alex Shenkar, Senior Model Validation Officer II, SVP**@ Truist (Virtual)**
- **October 16, 2023: An Automotive Aftermarket Story** - Data Science **@ Torqata**, Andrew Brooks, Head of Data Science
- *You can find the complete list of fall seminars with the links to register***here!**

Register Now!

Wednesday HI Research Seminars

Wednesdays @ 4:00 pm | Virtual Sessions

- **October 4, 2023:** Informatics Lessons for Pragmatic Trials in Older Adults: The PREVENTABLE Experience, Nicholas Pajewski, PhD Wake Forest Univ
- **October 11, 2023:** Climate Change: The Heat Impact, Ashley Ward, PhD, Duke Univ.
- **October 18, 2023:** Interoperability and Reproducibility of Multimorbidities in EHRs: Pathways to Precision Medicine through Machine Learning and AI, Yaomin Xu, Ph.D., UNC-CH
- **October 25, 2023:** Self-Supervised Deep Learning for Medical Time Series Analysis, Xiang Zhang, PhD, UNC-C
- *All sessions are virtual. More information and a link to the virtual sessions can be found* **here!**

Duke Energy On Your Yard:
Student Career Conference

Virtual
October 5, 2023, 4:00-8:00 pm - October 6, 2023, 9:00 am - 1:00 pm

Request your spot to attend the annual Duke Energy On Your Yard Student Career Conference! This two-day virtual event will allow the best and brightest minds to learn how they can join Duke Energy in transforming the future of energy. This career event will focus on 2024 paid internships and co-op opportunities. By attending the virtual conference, you will discover potential careers at Duke Energy, learn about the innovations in clean energy, participate in engaging panel discussions, and expand your professional network. Students interested in attending must meet the following criteria: commitment to diversity and inclusion, interest in employment with Duke Energy, and being authorized to work in the United States. To request your spot for the October 5-6, 2023 virtual two-day conference RSVP by **Friday, September 29, 2023.**

Grab your spot!

Multi-Industry Connection Day at William States Lee College of Engineering

October 6th | 9:30am - 2:00pm
West Quad Fields (between Cone Parking Deck and the Arena)

THE WILLIAM STATES LEE COLLEGE OF ENGINEERING

Annual Multi-Industry Connection Day

West Quad Fields (behind Cone Center building & the arena)

FRIDAY OCT. 6TH 9:30-2:00

Check out who will be there

pd.charlotte.edu

Who Should Attend?
- All Students

Why?
- It's FREE
- It's Casual
- Explore various majors & careers
- Talk with 105+ potential employers
- Pick up some cool swag
- Only happens once a year- don't miss out!

SDS students are encouraged to attend WSLCOE's Multi-Industry Connection Day to network with **several vendors** and discuss career options with engineering and technical professionals from a variety of technical industries. Plus it's free, casual, and cool swag!

More Info!

Phi Beta Kappa Lecture: Selective Forces Shaping the Evolution of Intelligence

Phi Beta Kappa Presents:
SELECTIVE FORCES SHAPING THE EVOLUTION OF INTELLIGENCE

Theta of North Carolina Chapter

MONDAY
OCTOBER 16, 2023

MCKNIGHT HALL
05:00 PM

KAY HOLEKAMP, PHD
PROFESSOR OF INTEGRATIVE BIOLOGY, MICHIGAN STATE UNIVERSITY

pbk.charlotte.edu
PhiBetaKappa@uncc.edu

Monday, October 15, at 5:00 in McKnight Hall

On behalf of the new chapter of **Phi Beta Kappa** on campus- this is the first time hosting a Visiting Scholar. Please join us for the inaugural P. Kay Holekamp, University Distinguished Professor of Integrative Biology at Michigan State University, who will share her research in Kenya on the evolution of intelligence among hyena populations.

OUR Scholar Applications due October 15th

The Office of Undergraduate Research is offering the opportunity to engage in mentored research with faculty in your field, learn more about your content, build your resume, and network with other professionals with shared interests - all while earning up to $2,000 for doing research in one semester! Student applications will be open from **September 15 - October 15, 2023.**

Learn More!

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**.

Student
RESOURCES

Are you graduating in December?

Students who are planning to graduate in December must **apply for graduation through Banner** by September 22nd. Once a student has applied for graduation the registrar's office will follow up with additional commencement information, including the ceremony schedule beginning in October. Undergraduate students can email **graduation@charlotte.edu** with any additional questions and Graduate students can email **gradgraduation@charlotte.edu** with any additional questions.

Spring 2024 Special Topic Courses: Graduate & Undergraduate

Five special topic courses will be offered next semester. Details on the courses and prerequisites are compiled in the link below!
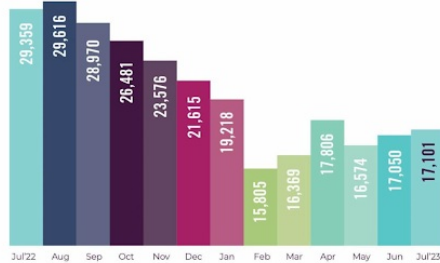
Course List

Data Science and Health Informatics In The NEWS

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

NC IT JOB POSTINGS / PAST 13 MONTHS
NCTECH Association
Reporting as of 8/15/23 – Ongoing data updates/revisions may cause fluctuation in job numbers contained in previous monthly reports

Jul'22: 29,359 | Aug: 29,616 | Sep: 28,970 | Oct: 26,481 | Nov: 23,576 | Dec: 21,615 | Jan: 19,218 | Feb: 15,805 | Mar: 16,369 | Apr: 17,806 | May: 16,574 | Jun: 17,050 | Jul'23: 17,101

Data pulled from NC IT Job Trends Report produced by North Carolina Technology Association
919-856-0393 / nctech.org

Latest Employment Trends Report from NCTECH

The **North Carolina Technology Association (NC TECH)** has released its monthly report of available IT positions in the state, broken down in several ways (top ten listings by MSA, job type, skillset, and employers). This Tech Talent Trends Alert is a snapshot of the previous month (as well as a rolling thirteen-month chart of total IT job openings such that trends can be observed).

Drugmakers harness AI for R&D, clinical trials

Pharmaceutical companies increasingly use AI for drug discovery, clinical trial site selection, and participant recruitment, and to parse real-world data as external control arms, according to interviews with company executives. However, Richard Pazdur, director of the FDA's Oncology Center of Excellence, cautions that AI-generated external control arms don't account for unknowns, and John Concato, associate director for real-world evidence analytics in the FDA's Office of Medical Policy, says AI might increase the risk that conclusions about drug efficacy will be faulty. **Full Story: Reuters (9/22)**

NLM digitizes historically significant biomedical journals

From 2014 to 2019, the National Library of Medicine digitized back issues of hundreds of significant biomedical journals and their citations. Since completing that project, the NLM has digitized back issues under the Creative Commons Public Domain Mark, including The Homoeopathic Physician, The Dental Register, The Dental Reporter, the Buffalo Medical Journal, and the Atlanta Journal-Record of Medicine. **Full Story: National Library of Medicine (9/20)**

Hackathons

Registration is open for **Hack NC** which will be held in Chapel Hill, NC the last weekend of October. Registration will be closing soon so jump on this ASAP. Hackathons are a great way to gain some real-world experience and build your network. You can even win some money like a **team of UNC Charlotte students did last fall!**

Datathon

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

Association of Data Science
(UNDERGRAD STUDENT ORG)

ADS
ASSOCIATION OF DATA SCIENCE

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 6th, 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 is a club where students meet each week on Thursdays from 5:30 p.m. to 7:00 p.m. to discuss sports, present analytical projects, and create a space to allow opportunities for students to break into the sports industry. 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. This month, we will begin to create sports analytics projects that will be presented later on in the semester meetings. These analytical projects will provide a creative outlet for students interested which can be done in groups or individually. Anyone interested in participating in starting an analytics project or needing guidance on how to start and would like to work with other Charlotte students should attend the weekly meetings for more information. This is a great way to connect with other Charlotte students and share the data found through these analytical projects. If interested, follow our social media and 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](#).

Duke Energy: Information Technology Summer Internship Program - 2024

Posting Expiration Date: Sunday, October 8, 2023

Build an exciting, rewarding career with us – help us make a difference for millions of people every day. Consider joining the Duke Energy team, where you'll find a friendly work environment, opportunities for growth and development, recognition for your work, and competitive pay and benefits. Click **here** to learn more.

Truist: 2024 Data Science Internship (Based in Atlanta, GA, or Charlotte, NC)

The **Data Science Internship** provides early career talent with an opportunity to sharpen their technical, and business skills through a 10-week working and learning experience across Data and analytics teams at Truist. (Truist is unable to sponsor or take over sponsorship of an employment visa at this time for this position.) During the 10-week internship, each Intern will:

- Learn about banking and financial services and the culture at Truist
- Receive structured training, on-demand learning opportunities, and on-the-job (OTJ) training within the assigned team
- Gain a variety of skills, such as technical & analytical competencies, project management, and professional & organizational skills
- Work alongside experts to complete data & analytics projects that serve business objectives and drive value
- Partake in a structured mentorship program and network with teammates and senior executives across the company to make lasting professional connections

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Full-Time Positions

- **Data Scientist, Product Analytics**: Meta, multiple locations
- **Data Scientist (Business Data Architect)**: FDA, Silver Spring, MD (remote)
- **Director Value Analysis:** ECU Health, Greenville NC (on-site)

Internships

- **2024 Internship - Senior Marketing Data Science Intern:** IBM, RTP, NC

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**."
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@uncc.edu**.

CAREER CENTER

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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