



UNIVERSITY OF NORTH CAROLINA
CHARLOTTE

SCHOOL OF
DATA SCIENCE

Updates from the Director

Hello All- we are a week away from the ***sold-out*** WiDS 2024. We are excited to host you and our community partners for the 7th-anniversary event. This is a day where you get to experience how large, diverse, and creative the Charlotte data science and analytics community is. Some reminders for all of you participating in this year's conference:

- Prepare: Upload your resume in the conference app- **WHOVA**. *Research the conference sponsors, recruiters, and presenters.*
- Engage: Come early and ready to network with recruiters, presenters, and peers
- Grow: Engage in the workshops and training sessions
- Impress: Come ready with questions and dressed professionally,

Best of luck to you all, and enjoy the day!

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

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

- **Resumes for the Healthcare Industry-** Monday, March 18, 2024, 11:00 - 11:45 am (Virtual)
- **WiDS Career Fair** - Thursday, March 21, 2024, 11:00 am - 5:30 pm, UNC Charlotte Marriott Hotel & Conference Center: **OPEN TO ALL and FREE- but you must register in advance!** Join us for a full day of training, workshops, and insights on industry trends in data science and analytics.



Helpful Tips Summer and Fall 2024 Registration:

- Check the Summer and Fall class schedules for available courses through **Banner Self-Service**.
- Use **DegreeWorks** to ensure you're on track for graduation and all courses count toward your degree.
- If you have any **incomplete grades** from Spring 2023, they'll default to Unsatisfactory in Spring 2024. Submit final grades by noon on May 13, 2024, to avoid suspension or termination.

Undergraduate Students- Schedule an advising session

Summer and fall 2024 semester registration for undergraduates will open on April 2nd. **View your specific registration time** through Student Self-Service. If you have not already scheduled an appointment with your advisor or one of the peer counselors, *please do so today!* Remember:

- Undergrads (except May grads) need advising to enroll.
- If you want to take a course elsewhere, there's a process, especially for retaking D or F grades from Charlotte. Please reference the **Niner Central Transient Study page** for more information!
 - General registration information can be found on the **NinerCentral site**.

Graduate Students- Join a Group Advising session to get ready for registration

Summer and Fall 2024 class schedules are available now. Registration will start on April 1st. In preparation we have scheduled online advising sessions for DSBA and

HIA students - see below. These sessions will cover curriculum changes, new class offerings, as well as reserved time for Q&A. **All students require an authorization to register for upper-level courses.** We will share the link to submit requests for pre-authorizations during the advising sessions. All sessions are virtual- Zoom links below:

Health Informatics and Analytics

- Tuesday, March 12, 2024 @4:00 pm. [Zoom link](#)

Data Science and Business Analytics

- Session #1 - Wednesday, March 13, 2024 @4:00 pm. [Zoom link](#)
- Session #2 - Thursday, March 14, 2024 @4:00 pm. [Zoom link](#)
- For a full list of Summer and Fall Special Topics course offerings, prerequisites, and course descriptions, please click the link [here](#)



Important Dates

- **March 12, 2024** Data Science Peer Advising Applications Due
- **March 18, 2024** Last Day to Withdraw from a full-term Course
- **March 21, 2024** Women in Data Science Conference

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 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, March 25th Seminar: CASE STUDY: DATA INGESTION & MODELING THROUGH MARCH MADNESS

Abstract: Just in time for March Madness- the seminar will go through the entire process of gathering data to perform the analytics. We will do this by understanding March Madness-related data and trying to predict outcomes. In addition, will go through some visualization techniques. **Location: Dubois Center, Room 602**

[Sign Up Here](#)



IN PERSON EVENT

MONDAY SEMINAR SERIES

Sponsored by: **WELLS FARGO**

Vahid Jon Sanii
REPORTING AND ANALYTICS LEAD

Case Study: Data Ingestion & Modeling Through March Madness
March 25th, 2024

For more information, please visit:



Monday, March 18th Seminar: No Seminar this week

Monday, April 1st Seminar: An Introduction to Contract Work: Pros and Cons of Staffing Agencies

Abstract: In the Data Science and Analytics domain, various entities, such as Talent Agencies, Recruitment Firms, Headhunters, and Consulting Firms, play a significant role. Recognizable brands like Optmi, Signature Consultants, Randstad, and Tek Partners are among them. These firms primarily focus on sourcing and screening talent for their industry partners while also serving talent by facilitating connections with hiring managers, offering a potential "foot in the door." Additionally, some staffing firms extend sponsorship opportunities, particularly beneficial for international students. Contract work arranged by these firms provides flexibility for both employers and temporary employees. In today's seminar, five distinguished alumni will share their insights into working with recruitment firms, discussing the advantages and disadvantages of such partnerships. **Location: Dubois Center, Room 602**

[Check out the SDS events page](#)

IN-PERSON EVENT

MONDAY SEMINAR SERIES



Matt Becker
SENIOR DATA SCIENCE
MANAGER AT CHARTER
COMMUNICATIONS



Jennifer Joyner
VICE PRESIDENT AND TECH
SERVICE DELIVERY CONSULTANT
AT BANK OF AMERICA



An Introduction
to Contract Work:
Pros and Cons of
Staffing Agencies

April 1st, 2024

For more information,
please visit:





Chandrajeet Pawar
SENIOR DATA SCIENTIST AT SUMMIT
HUMAN CAPITAL



Abhinay Sarvayyagari
DATA SCIENTIST AT BANK OF AMERICA

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:**

- **March 20, 2024- Genomics Segmentation and Blockchains in Healthcare Markets**, Presented by Sunil Erevelles, PhD, UNC Charlotte
- **April 3, 2024- Increasing Access to Addiction Care Through Telemedicine**, Sue Feldman, RN, MEd, Ph.D., FACMI, ECU



Other Events and Workshops



LOWE'S
CHARLOTTE
COLLEGE OF COMPUTING AND INFORMATICS

Spring 2024
Lowe's Tech Day

TUESDAY, MARCH 26, 2024
10:00AM - 2:00PM

POPP MARTIN STUDENT UNION

DEMOS | TALKS |
PROFESSIONAL DEVELOPMENT*
| NETWORKING | PRIZES

[More Info](#)

WIDS 2024- Sold out!



**WOMEN IN
CONFERENCE
DATA SCIENCE**

March 21, 2024
UNC Charlotte Marriott of North Carolina at C

Liz O'Sullivan:
Morning
Keynote

**SCHOOL OF
DATA SCIENCE**

Women in
Data Science
Worldwide

AFC Registration Open

Save the date! Student tickets for the **Analytics Frontiers Conference** (April 16th at the Convention Center) will be available on **March 16th**. Registration for students will open in late February with a limited number of discounted student tickets @\$49 each.



Data Science and Health Informatics In The NEWS

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

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.

- Data Empowerment Fund- The purpose of the Data Empowerment Fund is to support a diverse set of initiatives that enable greater individual agency or community control over data. It is powered by the Patrick J. McGovern Foundation, Omidyar Network, and Open Collective Foundation. **Learn more on their website.**



From Data Science Current- A monthly

newsletter from the Data Science Council of America

- **The Shift from Models to Compound AI Systems-BAIR, FEBRUARY 17, 2024:** These are comments in HTML. The above header text is needed to format the title, authors, etc. The "example_post" is an example representative image (not GIF) that we use for each post for tweeting (see below as well) and for the emails to subscribers. Please provide this image (and any other images and GIFs) in the blog to the BAIR Blog editors directly.



- **NTIA Solicits Comments on Open-Weight AI Models-Hacker News, FEBRUARY 24, 2024:** Today, the Department of Commerce's National Telecommunications and Information Administration (NTIA) launched a Request for Comment on the risks, benefits, and potential policy related to advanced artificial intelligence (AI) models with widely available model weights – the core component of AI systems.

From American Medical Informatics Association's (AMIA) Informatics SmartBrief Newsletter

- **How AI can help providers make sense of a sea of data-** Physicians are not able to cut through the flood of patient data created by digital tools, keeping them from serving patients effectively and potentially leading to burnout, writes Regard CEO Eli Ben-Joseph, who asserts using AI to "collect, analyze and summarize" data can help. "We won't realize a fully automated healthcare system until healthcare organizations can make the most of the data they already have," writes Ben-Joseph. Full Story: MedCity News (3/6)
- **AI's evolution in health care brings promise, concerns-** The use of AI in health care is already improving how diseases are diagnosed and treated, while also influencing the development of drugs with strong potential to improve survival rates for diseases such as cancer, but it's important not to exacerbate global health disparities. "AI is a critical tool but not a panacea," said Zak Kohane, chair of biomedical informatics at Harvard Medical School. Full Story: Voice of America (3/6)

From 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.**



- **AI CAN PREDICT WHETHER A BRAIN IS FROM A MAN OR A WOMAN -** With 90% accuracy, a machine learning model developed at Stanford University can classify brain activity as coming from a man or a woman. "Despite knowing that sex chromosomes influence hormone exposure, connecting sex to

concrete brain differences has been challenging,” according to Vinod Menon. One of the most immediate outcomes is that models developed for predicting other neurological concerns and diagnoses are likely to perform better if they are trained on sex-segregated training sets, and run in sex-segregated contexts (e.g. use the model trained on women’s brain data for use among women patients).

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.

Global AI Regulation Trackers: TrendHunter, Ellen Smith on February 27, 2024- This comprehensive website offers a wealth of resources, including an interactive world map that tracks AI laws across the globe, a library of AI policy templates, real-time updates on AI legal developments, and a chatbot for immediate assistance.

Featured Job
OPPORTUNITIES

The graphic features the words "Featured Job" in a large, elegant, dark green cursive script, with "OPPORTUNITIES" in a smaller, bold, gold-colored sans-serif font below it. The background is a light, textured grey.

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

JOBS AND INTERNSHIPS

FDA CDRH Summer 2024 Research Participation Program | Silver Spring, MD | Applications due June 30

The Oak Ridge Institute for Science and Education (ORISE) Research Participation Program at the U.S. Food and Drug Administration are educational and training program designed to provide students and recent graduates, opportunities to participate in project-specific research and developmental activities at the Center for Devices and Radiological Health (CDRH). The mission of CDRH is to protect and promote public health. CDRH assures that patients and providers have timely and continued access to safe, effective, and high-quality medical devices and safe radiation-emitting products. Participants will have an opportunity to gain hands-on research experience on various regulatory research projects related to CDRH's mission. The program is designed for participants to engage with an expert mentor or mentors during the summer to examine a question of interest related to those projects within the placement office. Past projects have been related to; the evaluation of acoustic noise levels in neonate, tools for regulating 21st-century microbubble products for pharmaceutical delivery, biological sex differences in the safety of vagus nerve stimulation, bioprinting materials performance assessment, microelectrode array recordings from induced pluripotent stem cell-derived neurons, machine learning in image reconstruction, and optical performance characterization of mixed reality devices. [Learn more on their website.](#)

Data Management Coordinator | Charlotte, NC

Atrium Health Musculoskeletal Institute is searching for a Data Management Coordinator. This position is responsible for building REDCap databases, EMR querying, and data quality assurance for our clinical research studies. The ideal candidate would have at least some experience with REDCap, SAS, and clinical research. A master's degree in public health, healthcare administration, or similar is preferred. This position is in-person/hybrid at Atrium Health Mercy. We are looking to fill the position immediately, but we can be flexible with class schedules for students graduating soon.

[Apply Here](#)

Internships

- [Siemens Smart Infrastructure Internship- Siemens](#) | Wendell, NC
- [Machine Learning Engineer Intern- Okta](#) | Remote

- [Data Science Intern- Intel](#) | Remote
- [Data Science Intern- Viasat](#) | Remote
- [Data Scientist Summer Intern- Machine Learning- Gametime](#) | Remote

Jobs

- [Data Engineer- Wipro Technologies](#) | Menlo Park, CA
- [Principal Data & Analytics Lead- Microsoft](#) | United States (Remote)
- [Principal Metrics Data Scientist- Microsoft](#) | Remote
- [Data Scientist- Genworth](#) | Remote

Full Job
List



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