



UNIVERSITY OF NORTH CAROLINA
CHARLOTTE

SCHOOL OF
DATA SCIENCE

Updates from the Director

A new semester begins- welcome again to all of our new and returning students in the School of Data Science. We have another edition for the SDS Newsletter overflowing with information on internship and professional development workshops, advising and registration sessions for summer and fall 2024, campus career fairs and resources, Data Science and AI in the news, and the spring WiDS and AFC conferences! Remember to download the full newsletter to access all of the content including the job and internship postings at the bottom. Speaking of jobs, we have the latest NC jobs market report from NC Tech and a special Monday Seminar on the national market for Data Scientists from Burtch Works on February 12th. **Sign up today.**

Warm regards,
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:

- **CCI Career Fair** - Thursday, February 1, 2024, 10:00 am - 2:00 pm, Student Activity Center (SAC) ** **must register ahead of time**
- **STEM Fair** - Friday, 9, 2024 - 10:00 am - 2:00 PM, Student Activity Center (SAC)
- **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.



2024 Spring Internship Panel

Tuesday, February 6th, 2024



ROBERT FOX
Senior Lecturer



XI (SUNSHINE) NIU
Associate Professor

[Register Here](#)

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 5, 2024** - Academic Advising for summer/fall to start for UG students
- **February 6, 2024** - Last Day to Withdraw from First-Half Term Course (DTSC 2301 or DTSC 4201)
- **February 8, 2024** - Deadline to Apply for May 2024 Graduation!
- **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

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.

CCI Career Fair- Coming Tomorrow!

Thursday, February 1, 2024 | 10:00 am - 2:00 pm | Barnhardt

This event will be exclusive to CCI students, including the School of Data Science and Bioinformatics & Genomics. Companies include Deloitte, ATD, Wells Fargo, Premier, The Hartford, Duke Energy, TIAA, and Lowes.

National Big Data Health Science Conference

Columbia, SC | February 2 - 3

The National Big Data Health Science Conference is a signature annual event of the Big Data Health Science Center (BDHSC). This 5th annual conference will include innovative plenary sessions, panels, and workshops that emphasize the role of interdisciplinary collaboration in Big Data applications and advancements in the health sciences. Attendees will learn about current challenges and opportunities in Big Data health science from the perspective of academia, industry, government, and healthcare systems and participate in multidisciplinary sessions that will explore the future of Big Data health science research. [Learn more on their website.](#)

She's The Man Networking & Movie Night

Thursday, February 15

Paragon Theaters - Fenton + Axis15 Extreme, Cary, NC

Up for a road trip? Interested in career opportunities in sports analytics? [EmpowHERed](#) is a mentor program for women trying to break into the sports industry. They are sponsoring an evening of networking and women's empowerment at Paragon Theaters - in Cary, NC, on February 15 at 6 pm! The event kicks things off with a keynote address by [Francie Gottsegen, President of the North Carolina Courage](#), followed by a panel of female trailblazers from college athletics and local pro teams! More information and registration links can be found [HERE](#). They also have a newsletter- sign up today.



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: Entry Level Escape: Your Guide To Early Career Success **Monday, February 5, 2024 | 4:00 to 5:00 pm | Dubois Center**

Abstract: Dave Coughlin has been mentoring data scientists for over a decade resulting in dozens of promotions. Realizing he solved the early career promotion problem and could not mentor every early career professional, he set out to write a book to capture his system so others could benefit. In this session, you will receive an overview of what it means to be a fully 3-D professional, how to prioritize and cultivate the right skills to stand out at promotion time, how to articulate your impact, and how to projectize your promotion. In short, you'll get an overview of the Entry Level Escape methodology for your use to accelerate your promotions.

Presenter: Dave Coughlin, Founder

VIRTUAL EVENT

MONDAY SEMINAR SERIES



Sponsored by:

Entry Level Escape

Dave Coughlin
FOUNDER OF ENTRY LEVEL ESCAPE ARTIST

Entry Level Escape: Your Guide to Early Career Success

February 5, 2024

[REGISTER](#)

**Monday Seminar: The Burtch Works Jobs Report: Data Science and Analytics
Job and Salary Trends**
Monday, February 12, 2024 | 4:00 to 5:00 pm | Dubois Center

Abstract: Join us for a presentation by Seamus Hogan from Burtch Works, a leading national recruiting firm specializing in data and technology organizations. Discover the latest insights from their annual analysis of job, salary, and hiring trends in quantitative and analytical roles. Seamus will guide you through the comprehensive research, addressing questions about the overall market and offering valuable insights on connecting with prospective employers. Burtch Works, with its reputation for expertise and successful talent placement, caters to a diverse clientele, from Fortune 500 companies to startups. Gain a deeper understanding of the dynamic analytics job market and enhance your strategies for success in data-driven industries.

Presenter: Seamus Hogan, Account Manager, Burtch Works - Data & Analytics

VIRTUAL EVENT

MONDAY SEMINAR SERIES

Sponsored by:



Seamus Hogan
ACCOUNT MANAGER, BURTCH WORKS -
DATA & ANALYTICS



The Burtch Works
Jobs Report: Data
Science and
Analytics Job and
Salary Trends

February 12, 2024

REGISTER

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:

- **January 31, 2024**- Mental Health In Immigrant Chinese Communities, Presented by Lily Chen Ph.D., MA, CNE, RN, North Carolina Central University
- **February 7, 2024**- Topic, TBD, Presented by Carlos Perez-Aldana, PhD, East Carolina University.

Student

RESOURCES

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
January 23, 2024

Web3 Hackathon World League

Registration Opened January 8, 2024

Sia Partners and *Tezos* are proud to announce the New York edition of the Web3 Hackathon World League, a dynamic and inspiring student-driven competition that brings together the brightest minds to solve real-world problems through technology. Web3 Hackathon World League is not just a competition; it's a celebration of creativity, teamwork, and technological breakthroughs. **For more information and**

to register.

WIDS Registration

OPEN

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!

**WOMEN IN
CONFERENCE
DATA SCIENCE**

March 21, 2024

North Carolina at Charlotte
**SCHOOL OF
DATA SCIENCE**

Liz
O'Sullivan:
Morning
Keynote

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. 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](mailto:Carly.Mahedy) for more information.



The poster features a dark green background with a white border. At the top center is the University of North Carolina Charlotte logo, with 'UNIVERSITY OF NORTH CAROLINA' above 'CHARLOTTE' and 'SCHOOL OF DATA SCIENCE' to the right. Below the logo, the title 'ANALYTICS CONFERENCE FRONTIERS' is displayed in large, bold, white and gold letters. The date 'April 16, 2024' and location 'Charlotte Convention Center' are centered below the title. On the left and right sides are circular portraits of keynote speakers: Brandeis Marshall on the left and Damien Williams on the right. Below each portrait is the word 'Keynote' and the speaker's name.

UNIVERSITY OF NORTH CAROLINA
CHARLOTTE | SCHOOL OF DATA SCIENCE

**ANALYTICS
CONFERENCE
FRONTIERS**

April 16, 2024
Charlotte Convention Center

Keynote
Brandeis Marshall

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:

1. Veteran Services: Charlotte's Veterans Services Office is dedicated to the support and success of our military-affiliated student body. From processing GI Bill® benefits to providing the Veteran Student Lounge for study and community, the VSO is the central hub at Charlotte to promote a smooth and seamless transition for those choosing college after or during their service.

The Office of Adult Students and Extended Services: OASES is committed to assisting adult students to develop and implement a plan for achieving their academic and career goals. OASES works collaboratively with academic units to provide advising, educational and social programming, honor society recognition, readmission services, scholarship opportunities, and the 49er Finish Program.

Are you graduating in May?

Students who are planning to graduate this semester must **apply for graduation through Banner** by February 8. Once a student has applied for graduation, the registrar's office will follow up with additional commencement information, including the ceremony schedule beginning in March. Undergraduate students can email graduation@charlotte.edu with any additional questions, and Graduate students can email gradgraduation@charlotte.edu with any additional questions.

Data Science and Health Informatics In The NEWS

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

IT Job Trends Report for December 2023: NC Tech Association

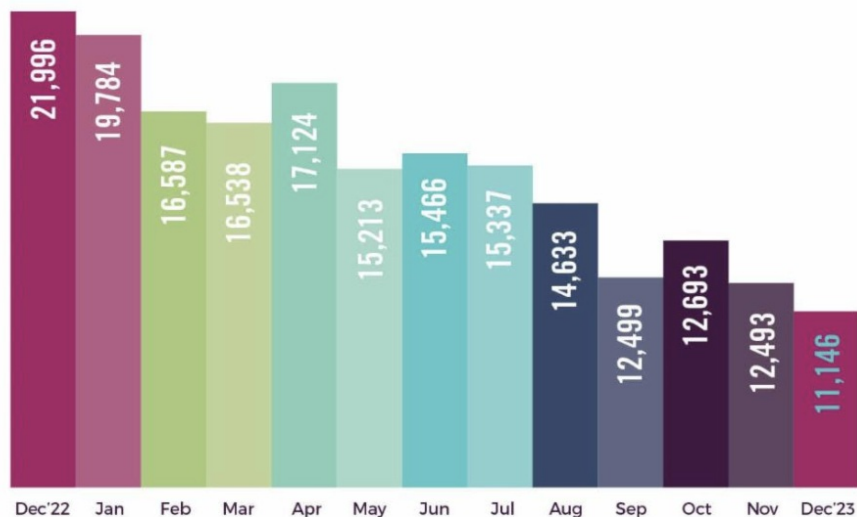
The North Carolina Technology Association (NC TECH) has released its monthly report of available IT positions in the state, broken down in several ways (top ten listings by MSA, job type, skillset, and employers). This Tech Talent Trends Alert is a snapshot of the previous month (as well as a rolling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

More Info

NC IT JOB POSTINGS / PAST 13 MONTHS



**Reporting as of 01/08/24 - Ongoing data updates/revisions may cause fluctuation in job numbers contained in previous monthly reports*



Data pulled from NC IT Job Trends Report produced by North Carolina Technology Association
919-856-0393 / [nctech.org](https://www.nctech.org)

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



OpenAI CEO says diversity can help prevent biased AI

OpenAI co-founder and CEO Sam Altman says AI technology is advancing rapidly, and involving different communities in the development of AI can help ensure it is ethical and user-friendly. Altman said the world is moving from one of limited, expensive technology to one in which tech is cheap and widely available. [Full Story: The Hilltop \(Howard University\) \(1/16\)](#)

Predictive algorithm fails when applied to new data

A widely used predictive algorithm designed to identify patterns in large datasets and predict antipsychotic drug efficacy performed poorly when retrained and applied to new data on people with schizophrenia, researchers reported in Science. The retrained algorithm was highly accurate when applied to data from the clinical trials used to develop it, but it generated seemingly random predictions when applied to a new dataset, highlighting the importance of rigorous testing on large datasets. [Full Story: Nature \(1/11\)](#)

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

60+ Generative AI Terms You Must Know By Heart

Explore the vast artificial intelligence and machine learning field with this alphabetized guide below. From Agents and AGI to Zero-shot Learning and everything in between, explore the intricate language of AI with concise explanations and vivid examples. Whether you're a seasoned practitioner or a curious novice, these Generative AI terms aim to be your go-to [...] The post 60+ Generative AI Terms You Must Know By Heart appeared first on Analytics Vidhya.



Report: Google AI layoffs 2024 to hit 30000 jobs, Dataconomy, JANUARY 3, 2024

According to the latest news circulating the internet, the Google AI layoffs 2024 will hit 30000 people, and it might start pretty soon. Google is on the brink of a substantial overhaul within its ad sales division, potentially impacting a substantial workforce of 30,000 employees. This sweeping transformation is in response to Google's recent strides in artificial intelligence, notably, the integration of generative AI into the Performance Max ad tool.

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.**

Featured Job

OPPORTUNITIES

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.

Faculty & Staff

NEWS

SDS prides itself on integrating highly talented and experienced practitioners into our classrooms. This spring we are pleased to welcome several new adjunct faculty members to the SDS team.

Ted Carmichael has over 14 years of experience as a Data Scientist and researcher, in both the public and private sectors. He began his academic career at The University of North Carolina at Charlotte, as a Research Assistant, Teaching Assistant, Affiliated Assistant Research Professor, and Adjunct Faculty, earning a Masters of Science (MS) degree in 2006, and a Doctor of Philosophy (PhD) in Computer Science in 2010.



Chris Dong is a Data Scientist/ML Engineer at Sunbelt Tools. In his current role, Christopher is instrumental in developing and implementing end-to-end machine-learning solutions. This spring he will be co-teaching Modeling and Society DTSC 2301/2302.



Ivan Flores is a Postdoctoral Researcher at the University of North Carolina at Charlotte, actively contributing to cutting-edge research in public policy, criminology, and data science. With an extensive educational background, Dr. Flores earned his Ph.D. in Public Policy in August 2023. This semester he will be co-teaching Modeling and Society DTSC 2301/DTSC 2301



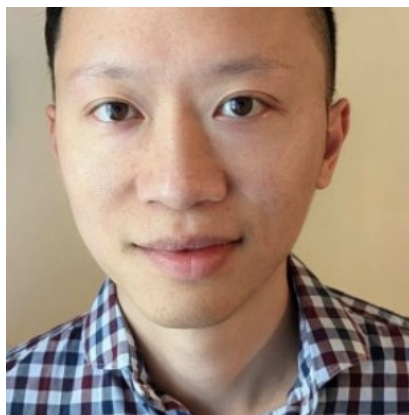
Khalil Khouy is a Data Science Manager at Sia Partners in Charlotte, North Carolina. As a client advisor, Khalil has led multiple data enhancement and reporting initiatives for banking clients. This spring he will teach Applied Machine Learning DSBA 6156.



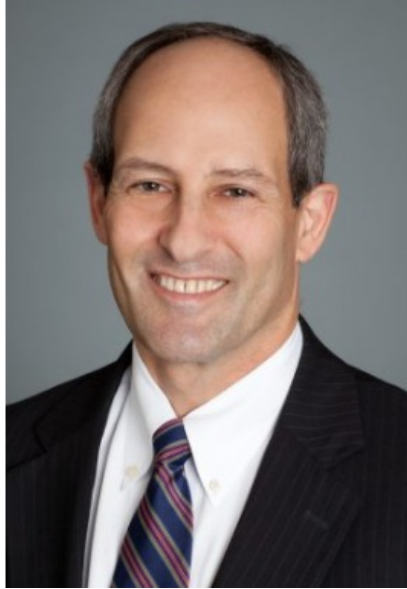
Aaron Lee brings extensive expertise as a data science practitioner and instructor to UNC Charlotte. Formerly an adjunct professor at Virginia Commonwealth University and Bellevue University, he has taught both graduate and undergraduate courses and developed courses on the fundamentals of artificial intelligence. This semester he will teach Databases for Data Scientists DSBA/HCIP 6160.



Chang-Hsin Lee is a Machine Learning Engineer with ezCater. He has backgrounds in Machine Learning, Data Science, and MLOps. At ezCater, Chang worked on recommender systems and led the architecture design and development of ezCater's machine learning platform. This spring he will be co-teaching DSBA 6188 Text Mining and Information Retrieval.



Richard Sheinis is a legal professional and Partner at Hall Booth Smith, P.C. Based in Charlotte, Richard is recognized for his expertise in Data Privacy and Cyber Security Law, where he specializes in areas such as data breach response, HIPAA/HITECH security, global enterprise privacy planning, GDPR readiness, and mobile device program development.



Ryan Wesslen is a machine learning engineer at ExplosionAI where he works on Prodigy, a modern annotation tool for creating training data for machine learning models. Ryan will be co-teaching DSBA 6188 Text Mining and Information Retrieval.



Featured

INTERNSHIPS

Ally Financial Summer Internship Program

Ally's paid internship program is built around hands-on learning with broad project exposure. We're looking for interns who are eager to learn and tackle challenging work outside the classroom. **[Apply Here.](#)**



ABoVE Airborne Campaign Data Fusion Intern at NASA | Greenbelt, MD | Applications due February 16, 2024

The Arctic-Boreal Vulnerability Experiment (ABoVE) campaign seeks a highly motivated and organized individual working towards an undergraduate or graduate degree in an environmental/earth science discipline (or related field) to complete a data fusion project using at least two or more of the airborne (lidar, radar, hyperspectral) and optical imagery data sets available from the recent airborne surveys. Possible projects should address some of the science questions and objectives for ABoVE related to environmental changes in northern regions and can be tailored to the research interests of the successful candidate. The successful candidate will have excellent interpersonal and communication skills, expertise in data manipulation, and familiarity with the ABoVE campaign. Ideally, the student would be familiar with GIS and remote sensing software, such as ESRI/QGIS, and/or Python or Google Earth Engine. [Learn more on their website.](#)

Summer 2024 Internships at Netflix | Los Gatos, CA

Netflix is the world's leading streaming entertainment service with over 238 million paid memberships in over 190 countries enjoying TV series, documentaries, feature films, and mobile games across a wide variety of genres and languages. Internship candidates will have a passion for solving challenging problems; learning how to build scalable, robust systems; love working with the latest technologies in a fast-paced, flexible environment; and are excited at the prospect of having a significant impact on software that over 238 million people use and love. Netflix is hiring a [Software Engineering Intern](#) and a [Machine Learning Intern](#) in Summer 2024. [Learn more on their website.](#)

Digital Justice Fellow at the NAACP Legal Defense & Educational Fund | Washington, DC

The NAACP Legal Defense & Educational Fund, Inc. (LDF) is the country's first and foremost civil and human rights law organization. LDF's litigation, policy advocacy, organizing, and public education programs in the substantive areas of criminal justice, economic justice, education, and political participation seek to ensure the fundamental human rights of all people to quality education, economic opportunity, the right to vote and fully participate in democracy, and the right to a fair and just judicial system. The Digital Justice Fellow will work with LDF litigators, policy advocates, and organizers and assist in the development of litigation, legislation, and advocacy tools to critically examine and address the role of artificial intelligence, machine learning, and big data in the creation, maintenance, and furthering of racial inequality. [Learn more on their website.](#)

Internships

- [Machine Learning Internships at Hugging Face](#) | Remote
- [Summer 2024 Internships at the iRODS Consortium](#) | Remote
- [2024 Summer Intern-](#) Marketing Analytics, Data Science | Remote

Featured

JOBS

Data Science Principal Investigator at RTI International | Raleigh, NC | Applications due February 29

The Center for Data Science and AI at RTI International, one of the nation's largest independent, nonprofit scientific research organizations, is seeking a Principal Investigator/Data Scientist with broad skills in data science and advanced analytics (e.g., AI and machine learning, generative AI, natural language processing), subject matter expertise in research domains such as health, education, or climate, and demonstrated interest and experience in modernizing data ecosystems and addressing responsible use of AI to win and lead projects and provide thought leadership and mentoring to the Center. [Learn more on their website.](#)

Jobs

- [Manager of Education Initiatives](#): Data Science and Computational Thinking at American Museum of Natural History | New York City, NY
- [Careers at Sonoco](#) (various data science-based jobs on rotation)
- [Risk IT and Data Analyst](#) | Charlotte, NC
- [Data Scientist](#) | 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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