



School of Data Science
UNC CHARLOTTE

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SDS students,

We can't believe the spring 2021 semester is coming to an end! As a reminder, UNC Charlotte announced that they will **host in-person commencement ceremonies** for the May 2021 graduates in the Jerry Richardson Football Stadium May 13, 14 and 15.

Members of the Class of 2020 will also be invited to participate in these ceremonies and all graduates will be able to invite two (2) guests. The ceremonies will be live streamed and recorded. Be on the lookout next week (April 7th) for an announcement of the specific ceremony dates and times.

Finally, we know some of you are looking for internships (including our undergrads). Companies are still sending opportunities for both M.S. and B.S. student internships so make sure to watch for these and apply!

As always, please reach out to [Josh Hertel](#) or [Carly Mahedy](#) if you have any questions.

Important UPDATES

Upcoming Important Events and Dates

April 5, 2021- Registration for Summer and Fall 2021 begins

**April 7th, 2021 - Wednesday Seminar: SDS State of the School
Roundtable**

Reminder, **graduate students will NOT** have the option to change a standard letter-graded course to P/U during the Spring 2021 semester. Graduate students are held to a higher standard and have had ample time to make an informed decision about their registration during these challenging times.

Summer School Course Offerings

DSBA 6520: Network Science

Description: Throughout our lives, we encounter data with various degrees of structure which can be relied upon when attempting to make systematic or algorithmic evaluations of that data. And it is the structure (or lack thereof) of that data that determines what algorithms or operations can be performed on said data, and by extension, what insights can be gained. In this class, you'll learn how to use industry-standard algorithms, tools, and models which take advantage of data that is structured as a graph/network as well as the rules and theory which govern Network Science to uncover hidden interconnected insights in data.

DSBA 6010: Special Topics in DSBA: From Data to Decisions: Informed Leadership

Description: The goal of this course is to help students see the use of data as an asset; especially how analytics helps leaders/managers make decisions by producing actionable insights for them. **Business Analytics Elective**

Summer 2021 Internships- DSBA and HIA

On February 24th, SDS held a workshop on best practices for securing an internship. You can replay the session [here](#). For more information on the internship requirements, how to secure a placement, and/or how to submit a proposal, please visit the program websites:

- [DSBA Internship](#)
- [HIA Internship](#)

Proposals for a summer 2021 internship must be submitted no later than **Friday, May 14th**, ten days prior to the start of Summer Session classes.

Advising and Registration for Summer and Fall Courses

Registration begins Monday, April 5th. Be sure to submit your authorization requests ASAP using the [Summer](#) and [Fall](#) request forms.

New Special Topics for Summer/Fall 2021

DSBA 6010: Special Topics in DSBA: From Data to Decisions: Informed Leadership - Tuesday-Thursday Evenings, Online- Synchronous; Dr. Ahmed

Semester: Summer 2021

Description: The goal of this course is to help students see the use of data as an asset; especially how analytics helps leaders/managers make decisions by producing actionable insights for them. **Business Analytics Elective**

DSBA 6010: Special Topics in DSBA: Text Mining and Information Retrieval - Saturday Mornings, Center City Building; Dr. Niu

Semester: Fall 2021

Description: Text data play an essential role in our lives. Since we communicate using natural languages, we produce and consume a large amount of text data every day on all kinds of topics. The explosive growth of text data makes it impossible for people to consume all the relevant text data in a timely manner. The availability of text data has also created unprecedented opportunities to leverage computational and statistical approaches to turn raw data, especially raw text data, into actionable knowledge. This course covers general computational techniques for analyzing large amounts of text data as well as basic techniques for information retrieval. By introducing text mining (TM) and information retrieval (IR) in a unified framework, this course emphasizes the importance of integration of IR and TM needed to build the two major types of text information systems, i.e., search engines (such as Google, MS Bing, etc) and text analytics systems, for text information access and text analysis. **Data Science Elective**

DSBA 6010: Special Topics in DSBA: Data Privacy - Wednesday Afternoons, Main Campus; Dr. Fan

Semester: Fall 2021

Description: Personal data today is aggregated at large scales, increasing the risk of privacy violations or breaches in critical sectors (e.g., health care, automation, and finance). Current laws such as HIPAA and GDPR protect personal data in the United States and around the world. The course will cover privacy-enhancing technologies from data de-identification to the state-of-the-art differential privacy research (e.g., deployed at Apple and the Census Bureau). We will also include broader discussions around topics such as data governance, ethics, and algorithm fairness. Material will touch on issues and methodologies from data mining/machine learning, databases, cryptography, distributed systems, law, policy, medical informatics, and statistics.
Data Science Elective

DSBA 6010: Special Topics in DSBA: StoryTelling - Wednesday Evenings, Center City Building; Dr. Hague

Semester: Fall 2021

Description: Learn how to take your analytics and data science results and turn it into a presentation to senior leaders in your company. You will learn how to simplify your visualizations as verbally present your materials. **Business Analytics Elective**

Spring Commencement 2021 Information



A commencement announcement email was sent to May 2021 graduates and members of the Class of 2020 announcing that we will hold in-person ceremonies in Jerry Richardson Football Stadium May 13, 14 and 15.

For questions regarding these emails, please use the links below to help answer questions you may have.

[Spring Commencement 2021 FAQs](#)

[Commencement Website](#)

Registration Now Open: Analytics Frontiers Conference 2021



Registration for the 7th annual Analytics Frontiers conference is now open! Join the School of Data Science and Bank of America for a two-day virtual event, featuring keynote presentations from data science leaders throughout the region, networking opportunities, technical workshops and more.

As the conference transitions to a virtual format, we're thrilled to offer discounted pricing for UNC Charlotte students, faculty and staff. **Tickets start at only \$20.**

[Register Here](#)

Teacher Quality Partnership

The **Teacher Quality Partnership (TQP)** is offering a complete grant which includes tuition, textbooks, supplies, application fees, and a living wage stipend for students! Students interested in earning a teacher's licensure and a Masters of Arts in Teaching degree in less than 18 months should apply for this opportunity. Graduates will have a guaranteed job in Cabarrus County Schools upon completion of the program.

The deadline to apply is **June 1st.**

[Apply Here](#)

SDS In The NEWS

Faculty Spotlight: John Tobias

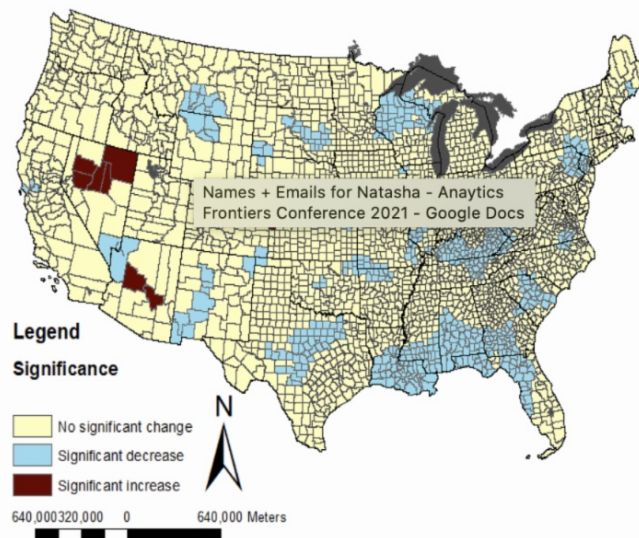


UNC Charlotte's School of Data Science faculty member and full-time lecturer, John Tobias, was recently featured in an article by the Boston Globe on the Sports Analytics industry.

Discover how Tobias, alongside others in the community, are working to diversify the field, starting from the undergraduate level.

[Read More Here](#)

**National Rural Health Association Article of the
Year: Dr. Rajib Paul**

Figure 5 Significant Increase or Decrease of Percentage Change in Prevalence Over a 14-Day Period.

Congratulations to SDS affiliate faculty member, Dr. Rajib Paul, for receiving the 2021 article of the year award by the National Rural Health Association!

His work, *The Progression of COVID-19 From Urban to Rural Areas in the United States: A Spatiotemporal Analysis of Prevalence Rates*, was selected by a research committee based on innovation in the methodology, applicability of the results, and overall reach.

Learn more about the research below.

[Read More Here](#)

Mark Your
CALENDAR

**U.S. Government - Intelligence Community
Informational Interviews**



When: April 7th, 10:30 a.m. - 3:30 p.m.

Talk one-on-one with a U.S. Government – Intelligence Community Representative to explore career and paid internship opportunities and life in the Intelligence Community. These are informal sessions—not job interviews. Representatives of a US Government Intelligence Agency will answer any questions regarding that Agency and the variety of scholarship, internship, and career opportunities available there.

All positions require US citizenship and relocation to the Washington, DC metropolitan area.

[Learn More and Register Here](#)

Peace + Conflict Innovations Lab: Sources of Domestic Extremism



**PEACE + CONFLICT
INNOVATIONS LAB**

When: April 7th, 12:00 p.m. - 1:30 p.m.

Join us for a panel discussion and Q&A among experts on political violence, the role of the media, and public policy in addressing these issues.

The event is sponsored by the Peace and Conflict Innovations Lab and the Intelligence Community Center of Academic Excellence at UNC Charlotte, which is a collaboration with Johnson C. Smith University, South Carolina State University, and Winston-Salem University. Students, faculty, and members of the public are welcome to join the discussion.

[Learn More and Register Here](#)

APHI Nexus 2021 - Tackling Social Determinants of Health in the Charlotte Region: From Data to Action



The poster for APHI Nexus 2021 features a colorful, abstract background. At the top, the event title "APHI NEXUS 2021" is displayed in a large, bold font. Below the title, the date "Friday, April 9, 2021" and the format "Virtual Zoom Sessions planned throughout the day" are listed. A prominent green button with white text says "REGISTER NOW!". The main theme, "Tackling Social Determinants of Health in the Charlotte Region: from Data to Action", is centered in a white box. To the left of this text is a circular icon with a person silhouette and symbols for education, health, and economics. To the right, a list of bullet points states: "Conference is free and open to all participants", "Attend all day or select individual sessions", and "Schedule and registration details [online](#)". At the bottom, logos for UNC Charlotte, National Public Health Week, and the Intelligence Community Center of Academic Excellence are shown. A footer note mentions priority registration closing on Wednesday, April 7, and provides the registration URL: <https://www.aphinnovation.org/nexus>.

When: April 9th, 8:30 a.m. - 5:00 p.m.

Please join us as we celebrate National Public Health Week with an action-oriented virtual APHI Nexus! We will focus on transforming our knowledge and insights into the social determinants of health and how they play out in the Charlotte region into evidence-based actionable steps and priorities toward our long-term goal of seeing Healthy People in Healthy Communities.

[View Full Agenda and Register Here](#)

Inaugural CCI and Lowe's Technology Day



When: April 9th, 11:00 a.m. - 2:00 p.m.

Please mark your calendar for a special event on Friday, April 9th. This is a partnership between CCI and Lowe's around Artificial Intelligence and will be built around the weekly seminar series.

[View Full Agenda and Register Here](#)

Wednesday Seminar: Artificial Intelligence/Machine Learning Objectives within the DoD Domain



When: April 14th, 4:00 p.m. - 5:00 p.m.

The School of Data Science will host a webinar on the topic of Artificial Intelligence/Machine Learning Interest Areas, Goals, and Objectives within the Department of Defense domain. The primary objective is to provide awareness to our researchers as to near and mid-term needs and identified gaps in this domain.

[Register Here](#)

AMMI Conference and Student Research Presentation Opportunity

AMMI

Analytics and Machine-Learning for Maternal-Health Interventions

When: April 15 – 16, 2021, 12:00 p.m. - 4:00 p.m.

Join Carolina Health Informatics Program's (CHIP) virtual Analytics and Machine-Learning in Maternal-Health Intervention (AMMI) conference on **April 15 – 16, 2021**.

The AMMI conference will provide a unique and much-needed platform for multi-disciplinary researchers from maternal health, machine learning, informatics, and medical imaging on topics related to prenatal health.

This innovative virtual symposium will include keynote speakers, panel discussions, student poster sessions, and networking opportunities with the leading industry and academic researchers in machine learning and maternal health.

[Learn More and Register Here](#)

Novant Health: STM Academy Speaker Event



When: April 20th, 3:30 p.m. - 4:30 p.m.

The STM Academy is excited to have a Novant Health HR Talent Acquisition Specialist speak to students about navigating the application process, negotiating salary, and more!

Watch the video [here](#) to learn more.

[Join Zoom Meeting](#)

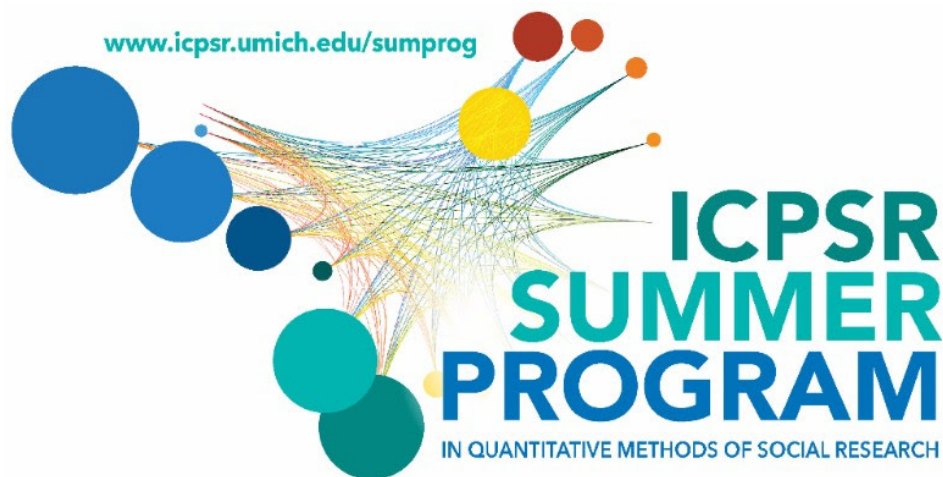
Analytics Frontiers Conference



When: April 22nd - 23rd, 2021

Join the School of Data Science and Bank of America for a two-day virtual event, featuring keynote presentations from data science leaders throughout the region, networking opportunities, technical workshops, and more.

[Register Here](#)



When: June 1 - 11

The ICPSR Summer Program would like to announce the **Joining the Data Revolution: Big Data in Education and Social Science Research** workshop, sponsored by the [Institute for Research on Innovation & Science \(IRIS\)](#) and funded by the [Directorate for Education and Human](#)

[Resources](#) of the [National Science Foundation](#).

Deadline to Apply/Register: March 22, 2021

[Learn More and Register Here](#)

Featured Job

OPPORTUNITIES

Career Opportunity with IBM - Data Engineer



Software development is critical to the success of IBM and our clients worldwide. At IBM, you will use the latest software development tools, techniques and approaches and work with leading minds in the industry to build solutions you can be proud of.

[Learn More and Apply Here](#)

Texas Rangers - Analyst I, Sports Science



The Texas Rangers are seeking a candidate to provide research and analysis through statistical modeling, visualizations, and other assigned projects. This individual will support the Sport Science staff as well as other branches of the Performance, Player Development, and Baseball Operations staffs. This position is based in Arlington, TX.

[Learn More and Apply Here](#)

Profound Niners Internship Opportunity



The Cato College of Education is offering Profound Niners as a paid internship for the Summer of 2021. [Profound Niners](#)' mission is to increase the percentage of male educators of color in the teaching profession. Interns will partner with [Teach NC](#) and [Profound Gentlemen](#) as mentors. They will explore the benefits of a career in teaching and receive high-quality professional development. All male students of color are encouraged to apply, even those who are not sure if teaching is their calling. Interested interns will receive mentorship throughout the application process for the [Cato College of Education's Graduate Certificate in Teaching Program](#) and for the [TQP Program](#).

The deadline to apply is **April 8th, 2021**.

[Learn More and Apply Here](#)

Internship Opportunities with Stitch Fix



STITCH FIX

Data Science Intern - Style Discovery

- Looking for students currently enrolled in a quantitative field, such as computer science, statistics, electrical engineering, mathematics, etc.
- Are proficient in Python and SQL but are still hungry to learn.

Data Science Intern - Engagement Optimization

- Looking for graduate students or higher in Computer Science, Statistics, Mathematics, Operations Research, Engineering or related field
- Have experience implementing/designing machine learning algorithms.

Accenture - Data Science Consultant



Location: Midwest - Chicago, Illinois

Accenture is looking for those interested in Solving big problems using the latest tech, serious brain power, and deep knowledge of just about every industry. Accenture believes that a mix of data, analytics, automation, and responsible AI can do almost anything—spark digital metamorphoses, widen the range of what humans can do, and breathe life into smart products and services.

Please contact and send a copy of your resume to [Luke Fore](#) once your application has been submitted.

[Learn More and Apply Here](#)

Career Opportunities with Promantus Inc



Promantus Inc., practitioners use different areas of technology and business management to create an environment of learning, innovation, and creativity for internal and customer projects. Promantus is looking for talented individuals to join their team.

Job Openings:

Scrum Master

Location: Plano, Texas (Temporarily Remote)

Duration: Long-term

Big data Architect (Azure Databricks)

Location: Plano, Texas (Temporarily Remote)

Duration: Long-term

Big Data Engineer (QA and Monitoring)

Location: Plano, Texas (Temporarily Remote)

Duration: Long-term

Big Data Engineer (ML Pipeline Development)

Location: Plano, Texas (Temporarily Remote)

Duration: Long-term

Delivery Engineer (CI/CD Experience)

Location: Plano, Texas (Temporarily Remote)

Duration: Long-term

JAVA Developer

Location: Plano, Texas (Temporarily Remote)

Duration: Long-term

[Learn More and Apply Here](#)

Career Opportunity with Equitable: Broker-Dealer Metrics Reporting Analyst



EQUITABLE

The BD Investment Product Metrics Analyst will have a strong foundation in data analytics and database management that they will apply on behalf of an existing team of investment professionals while gaining expertise in the Broker/Dealer's Product Offerings.

[Learn More and Apply Here](#)

Career Opportunity with Labcorp: Oncology Biomedical Informatics Specialist



Labcorp is implementing an exciting new "big data" approach to cancer testing. Labcorp is looking for a highly motivated biocuration scientist to join their new Oncology Data Curation group.

This is a great opportunity for someone with a clinical background to learn or expand their knowledge management skills.

[Learn More and Apply Here](#)

Resources for the Job/Internship Search: Resume Advice for Data Scientists



Chris Black, Manager for Talent Acquisition with LendingTree joined us in December of 2020 to share advice on how to craft an effective resume. This session was targeted at data science applicants.

You can rewatch the hour-long presentation [here](#).

[Watch The Video](#)

Career Opportunities with Ally Financial



Ally Financial Inc. (NYSE: ALLY) is a leading digital financial services company and a top 25 U.S. financial holding company offering financial products for consumers, businesses, automotive dealers, and corporate clients. Ally has an award-winning online bank (member FDIC), one of the largest full-service auto finance operations in the country, a complementary auto-focused insurance business, a growing digital wealth management and online brokerage platform, and a trusted corporate finance business offering capital for equity sponsors and middle-market companies.

Ally Financial is looking for senior developers and architects with industry experience plus ML/NLP.

Job Opportunities:

- [20-5714 – Principal - Sr. AI Developer](#)
- [20-5737 – Principal - Conversational AI Chat Tech Lead](#)
- [21-5060 - Fellow Software Engineer, Conversational AI](#)

Tax Guard - Associate Data Scientist



Tax Guard is revolutionizing how tax information is used by businesses to empower their confident decision making. The Data Science team designs, develops, deploys, and maintains predictive features and models using advanced statistical and machine learning methods to support Tax Guard's suite of small business lending products.

Data Science provides customer support and expertise in the use of Tax Guard data for the small business lending industry.

[Learn More and Apply Here](#)

Career Opportunities with Zoominfo



The mission of ZoomInfo powered by DiscoverOrg's Global Inclusion & Diversity Initiative (GIDI) is to create a sense of belonging for all employees. GIDI takes an active role in focusing on the equity, advancement, and empowerment of underrepresented communities.

Zoominfo believes in the people who work for us, and the things that we can accomplish when we push ourselves both individually and collectively.

[Visit the Website](#)

Career Opportunity with Octapharma Plasma: Data Scientist - Pricing Analytics



Octapharma Plasma, Inc. collects plasma to create life-saving medicines for patients worldwide. With donation centers and team members throughout the U.S, Octoapharma Plasma is growing at an impressive pace, and so is the positive impact of their work. Octapharma Plasma is looking for Data Scientists with some experience in pricing.

The position is open to HIA and DSBA graduates and students in their last term

[Learn More and Apply Here](#)

Summer 2021 Internship Opportunities: Hire-A-Niner

[Data Analytics Engineer Internship- Allstate](#)

[Data Science Internship - Allstate](#)

[Data Delivery Product Manager Internship - Allstate](#)

[Data Visualization Internship - Lenovo](#)

[SDS Hire-A-Niner page](#)

[Join the Facebook Group](#)



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