A MESSAGE TO
DATA SCIENCE NINERS
FROM THE SCHOOL OF DATA SCIENCE

Important
UPDATES

New Faces With The SDS: Welcome Brenda Bradrick

As some of you already know **Carly Mahedy** will be out on maternity leave through August. While Carly is out, we are pleased to announce that Brenda Bradrick will step in to assist students, staff, and faculty.

Brenda is a recent graduate from the Health Informatics Master Program receiving her M.S. in December of 2020. She is currently working on a Master's Certificate in Learning, Design and Technology at the Cato College of Education. She has worked as a graduate assistant for the School of Data

Science. Her industry experience includes Marketing Research Director of several business-to-business publications, Marketing and Research Analyst at National Geographic Traveler Magazine, Research Manager for the US Travel Industry Association and as a Senior Practice Administrator for the North American Operations Practice at McKinsey & Company.

Registration For Fall 2021

If you have not already registered for the fall 2021 semester, please do so immediately, as classes are filling up.

For registration assistance, set up an advising session with **Brenda Bradrick** or **Josh Hertel**.

Spring 2021 Graduates & SDS Alumni: Update Your Information

Congratulations to all of our Spring 2021 graduates!

After graduation and beyond, we'd love for you all to stay engaged with your specific program and the School of Data Science. You are invited to update your contact information below, and identify ways that you would prefer to engage with the School going forward: mentoring, sponsoring an internship, participating in networking sessions, etc.

Update Your Information Here

Save The Date - Fall 2021 New Student

Join UNC Charlotte's School of Data Science for the**annual orientation session for the DSBA and HIA graduate programs.**

During this session, students will learn about how to prepare for the first semester, class expectations and other aspects of each program.

Stay tuned for Zoom link information.

SDS Bootcamps - Relaunching for Summer 2021

Registration for the summer *SDS Boot Camps (Python, Statistics, and Introduction to R)* have re-opened for students. These online training modules were created as a free resource, and are open to all students actively enrolled in the DSBA or HIA programs. They are intended to be utilized as introductory or foundational review tools. More information about the courses can be found here:

Students currently enrolled in the spring 2021 sections must complete the bootcamp by **Wednesday, May 5th, 2021**.

Register Now - SDS Bootcamps

Applying to Graduate - DegreeWorks

If you are planning to graduate this summer please remember to submit your application through DegreeWorks.

DegreeWorks is a web-based planning tool that provides an accurate display of required coursework and helps students monitor their progress towards

graduation. Students can access their real-time audit in DegreeWorks via **my.uncc.edu** and should routinely check their progress towards degree completion.

If you believe your audit contains errors or the requirements do not match the catalog, students should contact their advisor or Graduate Program Director for assistance.

All students (Master's or Certificate) must apply for graduation by the published deadline in the semester they intend to graduate. To be eligible, students must also be enrolled that term and complete the online graduation application.

To apply, submit your Online Graduation Application through**Banner Self Service**.

Fall Electives and Special Topics Courses

We have several new courses offered this fall including two special topics courses:

DSBA 6010 Special Topics in DSBA: Data Privacy- Dr. Liyue Fan- Fall 2021
DSBA Data Science Elective

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 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. The material will touch on issues and methodologies from data mining/machine learning, databases, cryptography, distributed systems, law, policy, medical informatics, and statistics.

DSBA 6010 Special Topics in DSBA: Text Mining and Information Retrieval- Dr. Sunshine Niu- Fall 2021
DSBA Data Science Elective

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. This course intends to provide a systematic introduction to many of these approaches, such as word association mining, text classification, text summarization, probabilistic topic modeling, and opinion mining. Students are expected to have basic knowledge about computer science, particularly some programming languages, and be

comfortable with some basic concepts in probability and statistics such as conditional probability and parameter estimation.

SDS Student Organization Board Member Election Results

The SDS Student Organization held their board member election the week of May 17.

Four students were elected to the board including three new members:***Naomi Nikita Thammadi, Vice President; Rachael Dewey, Treasurer and Himadri Verma, Health Informatics Representative,*** and one continuing board member Yash Patel who served last term as Marketing Officer was elected President. Congratulations to all!

Also, we want to thank outgoing Board Members Rishitha Muddana, President; Luke Jenkins, Vice President; Eric Dishmon, Treasurer; Ridhi Shah, Graduate Students Senator; Elijah Ellison, Secretary; Yash Patel, Marketing Officer; Yashank Choksi, Student Liaison; and Aparna Rajwani, HIA Representative for their service and leadership during the past term.

The Student Organization Board Members will spend the summer developing a student engagement plan that leads us all back into the real world of in person networking and professional events and much more.

Sports Analytics at UNC Charlotte

SENSING AN OPPORTUNITY

SDS faculty member, John Tobias, is paving the way in diversifying the sports analytics industry

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. He is offering two new classes this fall: DTSC 1110 Sports Analytics and DTSC 2110 Sports Business Analytics.

Check out the official sports analytics webpage below.

Learn More Here

SDS In The NEWS

Qintess and CEO Nana Baffour, join UNC Charlotte's School of Data Science Founding Members Program

Qintess and its chairman, CEO and chief culture officer Nana Baffour MS, '97 have established a new partnership with UNC Charlotte's School of Data Science through the Founding Members program.

Discover how the new partnership will create the potential for SDS to make an impact worldwide.

Read More Here

Charlotte 49ers Partner with School of Data Science for Sports Analytics Internships

The Charlotte 49ers Athletics Department has partnered with UNC Charlotte's School of Data Science (SDS) and the Department of Kinesiology to provide sports analytics for each of the 49ers' 18 athletic programs. The new internship program, which is set to launch in fall 2021, offers students the opportunity to

gain invaluable, "on-the-field" industry experience.

Learn more about the internship program below.

Read More Here

Genpact x SDS - Journeys in Transformation Analytics Mini Series

Doug Hague, executive director of UNC Charlotte's School of Data Science (SDS), joins Amaresh Tripathy, SDS founding member and senior vice president and global business leader, Genpact, for a podcast series on Journeys in Transformation Analytics.

The three-episode mini series focuses on the future of data science and AI in the workforce and the evolving role of ethics and fairness in data science. Each discussion will be released on a bi-weekly basis, with episode one launching on Friday, May 14th.

The Journeys in Transformation podcast is a longstanding series on analytics-themed discussions, hosted by Genpact and Tripathy. Previous guests have included Cardinal Health and Alcon.

Discover episode one, Data is the new oil: How are we nurturing data scientists below.

Listen Now!

Wednesday Seminar: Fellowship Opportunities With The FDA

When: Wednesday, June 16, 4 - 5 p.m.

Discover fellowship opportunities with the FDA's Center for Drug Evaluation Research and Office of Business Informatics.

FDA Leadership will discuss the Fellowship opportunities at the CDER/OBI. The FDA/CDER is the global leader in drug regulation, responsible for ensuring the safety and effectiveness of all human drugs and therapeutic biologics and regulating a global drug supply chain.

The OBI in CDER is responsible for transforming regulatory operations and modernizing the informatics capabilities to increase consistency, transparency and effectiveness of the human drug review process. FDA leaders are looking for highly qualified talent to apply modern tools for decision analysis, visualization of big data and data management solutions to analyze research and develop the application to FDA's regulatory review process.

Register Here

Fall 2021 New Graduate Student Virtual Orientation

When: Thursday August 19, 2021; 4:00 PM

All new students are encouraged to register and attend the*UNC Charlotte Graduate School Virtual Orientation.*

Attend to hear a welcome message from the Graduate School Dean and Associate Dean, learn more about services offered by the Center for Graduate Life, and join a Q&A with a panel of continuing graduate students. Please click below to be directed to the information and registration page.

Register Here

Save The Date - SDS New Student Virtual Orientation

When: Friday, August 20, 4:00 - 5:30 p.m.

Join UNC Charlotte's School of Data Science for the annual orientation session for the DSBA and HIA graduate programs.

During this session, students will learn about how to prepare for the first semester, class expectations and other aspects of each program.

Stay tuned for Zoom link information.

Fall 2021 New Graduate Student Welcome Reception

Tuesday August 24, 2021; 5:00pm – 7:00pm

New School of Data Science graduate students are invited to an outdoor reception.The event will be held outdoors on the lawn between the Belk Gym and Cone building. Sponsored by the Center for Graduate Life (CGL) No registration required.

Visit our website

Junior Data Scientist - Premier

Premier is looking for smart, agile individuals like you to help us transform the healthcare industry. Here you will find critical thinkers who have the freedom to make an impact. Colleagues who share your thirst to learn more and do things better. Teammates committed to improving the health of a nation. See why incredible challenges require incredible people.

They are looking to hire immediately. Interested candidates should submit their resumes by no later than Tuesday, June 1st.

Requirements
- Expertise in applied machine learning
- Strong technical knowledge of machine learning principles
- Coding experience in Python
- Problem-solving mindset

Nice to Have
- Master's in computer science with a focus in AI/ML
- Experience with TensorFlow or other Deep Learning Frameworks
- Published work
- 3-5 years of experience applying machine learning to real-world problems

Apply Now!

Sr. Data Scientist - nCinco

nCinco is searching for a Senior Data Scientist to join its information technology group.

You will support our operations, customer success, product, sales, marketing and leadership teams with insights gained from analyzing data. The ideal candidate is adept at using large data sets to find opportunities for product and process optimization and using models to test the effectiveness of different courses of action. They must have superior experience using a variety of data mining/data analysis methods, using a variety of data tools, building and implementing models, using/creating algorithms and creating/running simulations. They must have a proven ability to drive business results with their data-based insights. They must be comfortable working with a wide range of stakeholders and functional teams. The right candidate will have a passion for discovering solutions hidden in large data sets and working with stakeholders to improve business outcomes.

This full-time role is based in Wilmington, NC.

Learn more and apply for the role below.

Apply Here

Hendrick Motorsports - Vehicle Dynamics Intern

Hendrick Motorsports, a leading NASCAR Motorsports operation, is currently seeking a highly motivated engineering student for the Competition Systems Group. The ideal candidate is expected to have solid basic knowledge of vehicle dynamics, vehicle subsystems, simulation, testing, and deliverables. Also, a basic background in applying probability and statistics to real data, as well as defining problems and evaluating the effectiveness of different techniques in solving these problems.

Application Deadline: June 17th

Learn More and Apply Here

Career Opportunities with SAS

SAS Institute prides itself on helping its customers discover insights from their data, make more intelligent decisions, and drive relevant change. SAS is currently looking for students who are interested in technical and non-technical healthcare and life science positions.

Interested students should contact **David Olaleye** after applying.

Visit the Website and Apply Here

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

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

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

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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UNC CHARLOTTE