



School of Data Science
UNC CHARLOTTE

[View as Webpage](#)



SDS students,

One year ago, UNC Charlotte launched the School of Data Science, the first and only academic unit of its kind in the Carolinas.

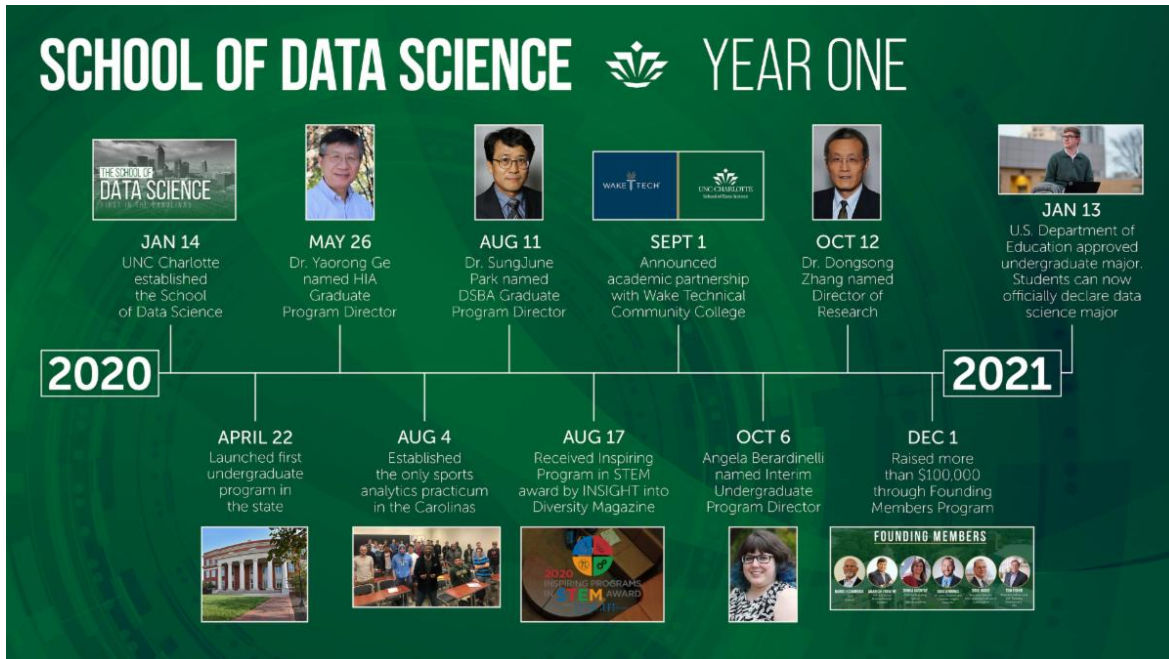
While this year has been anything but normal, we are extremely proud of how far the school has come. We are so thankful for our academic and industry partners and our growing SDS community.

Below, you'll find a look back at everything SDS has accomplished in year one.

We look forward to the beginning of the spring 2021 semester with you all. As always, please reach out to [Josh Hertel](#) or [Carly Mahedy](#) if you have any questions.

Important UPDATES

Celebrating One Year As SDS



SDS Virtual Commencement Video



SDS hosted a special virtual commencement celebration, honoring our 2020 graduates.

Take a look back as we congratulated our master's students from the 2020 spring, summer and fall semesters. Watch the video on the [SDS YouTube Channel](#).

NEW Spring 2021 Electives

Enterprise Health Information Systems - 26667 - HCIP 6392 - 001: Mondays, 5:30 - 8:15 p.m., Main campus/Denny 220; Dr. Yaorong Ge

Prerequisites: None

Target Audience: Any student interested in health-related applications with a CS, IT, or Data Science (DSBA, HIA) background can take this class

Description: Healthcare enterprises generate a significant amount of health-related data every day. They provide one of the main sources of data for practitioners of health informatics and analytics. Therefore, it is critically important that every health informatician has a good understanding of how various information systems in healthcare enterprises work together to support the complex process of patient care while collecting useful healthcare data throughout the process. In this course, we will study (a) the history, evolution, state-of-art, and issues of healthcare information systems; (b) major information systems in a healthcare enterprise and how they are designed, tested, and installed; and (c) the evaluation and adoption of clinical, administrative, and specialty information technology applications for health organizations. Our discussions will center on three specific systems: the electronic health record system (EHR), the picture archiving and communication system (PACS), and the enterprise clinical data warehouse system.

DSBA 6010 001: Special Topics in DSBA; Dr. Mirsad Hadzikadic

Description: This class will provide a gentle introduction to the world of **Complex Adaptive Systems to those who are interested in policy development and evaluation**. No programming experience is required. Topics in the class include, but are not limited to:

- Systems thinking
- Complex Adaptive Systems
- Simulation and modeling techniques of Complex Adaptive Systems (agent-based modeling, network science, game theory, systems dynamics, chaos theory, fractals,)
- Applicability of Complex Adaptive Systems to Public Policy
- Examples of Public Policy (education, healthcare, urban planning, transportation, public health,)
- Hands on experience (project)

Learn more about the course [here](#).

DSAB 6156- Applied Machine Learning, CRN#: 24777, Asynchronous/Online; Dr. Siddharth Krishnan

Description: This class offers a hands-on approach to machine learning and data science. The class discusses how to apply some fundamental methods like decision trees, bayesian classifiers, SVMs, random forests, and some advanced techniques like semi-supervised learning, neural networks, and deep learning on real-world datasets, including data preparation, model selection, and evaluation. We will learn a range of applications like social network analysis, natural language processing, sports analytics, time-series analytics, and automated machine learning. Apart from applying models, we will also discuss software development tools and industry best practices relevant to productionizing machine learning models, particularly how to develop scalable models that can be deployed on a cloud infrastructure. Our class will include guest lectures from data scientists from Bank of America and ESPN. Prior iterations of the class have resulted in successful IEEE research publications as well (read: [Extracting Cryptocurrency Price Movements From the Reddit Network Sentiment](#)).

Important: DSBA Course Location Change

The instruction method for the course "**Big Data Analytics for Competitive Advantage - 21629 - DSBA 6100 - U01**" has been changed to online/asynchronous. As a reminder, the instructor for this course will be [Dr. Anu Brookins](#).

Free Access to eLearning with Tableau



Did you know you have free access to eLearning along with your Tableau Desktop license as part of the Tableau Academic Program? Take your academics to the next level and set yourself apart in today's job market where data skills are in high demand. An extra perk: students have 20% off Tableau Desktop Specialist certification exams through 12/31!

Finish 2020 off strong by kickstarting your data journey. Answer a few quick questions, and we'll recommend the right learning path for how you want to use data.

[Start Now](#)

SPS In The NEWS

New Academic Programs Respond to Job Market and Region's Needs



**THREE NEW DEGREE PROGRAMS &
FIVE NEW GRADUATE CERTIFICATES
COMING TO **UNC CHARLOTTE****



The School of Data Science is thrilled to announce the official approval of the Bachelor of Science in Data Science program by the U.S. Department of Education, making it the only program of its kind in North Carolina.

The undergraduate program is one of three new degree programs offered by UNC Charlotte, along with five new graduate certificate programs. Learn more here:

[Read More Here](#)

Mark Your

CALENDAR

SAVE THE DATE: SDS New & Continuing Student Orientation



When: January 19, 2021 - 5:30 PM to 6:30 PM

Join us for our Spring 2021 virtual orientation. Please note: The time has changed to accommodate the orientation held by the Center for Graduate Life.

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

Find the zoom session information below:

Join Zoom Meeting

<https://uncc.zoom.us/j/98206248063>

Meeting ID: 982 0624 8063

Health Informatics Research Seminar



**Transforming Health Care
Through Informatics and Analysis**

When: January 20, 2021 4:00-5:00PM

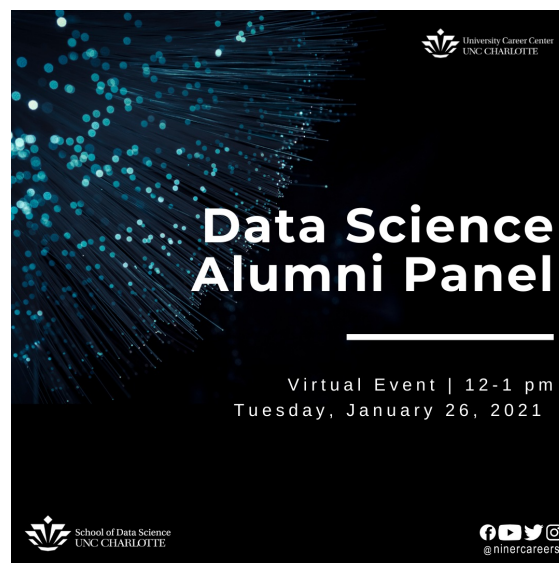
The N3C project is designed to simplify access to EHR-derived data on individuals screened for COVID-19 at N3C member sites. Data from more than 60 sites using four different data models are submitted, harmonized, and transformed into the OMOP 5.3 data model and ingested into the secure N3C Data Enclave.

This seminar will address the security and governance of N3C, the ingestion process, and the types of clinical scenarios and discoveries being investigated in N3C. For a complete seminar schedule, visit the [DCHI website](#).

Meeting ID: 120 894 4642

[Join Here](#)

Data Science Alumni Panel



When: January 26, 2021 - Noon to 1:00 PM

Join SDS and the Career Center for a lunchtime panel with UNC Charlotte alumni working in data science roles. Learn about a day in the life of a data scientist and gain insight into this hot industry. Come prepared to ask questions and engage our panel of experts in conversation!

Learn More and Register Here

SDS Wednesday Seminar: RXDataScience



AN ONLINE EVENT

WEDNESDAY SEMINAR SERIES

UNC CHARLOTTE
School of Data Science

Recruitment
Session

January 27th, 2021

For more information, please visit:
datascience.uncc.edu/upcoming-events

Sponsored by:



Vijay Mohan
EXECUTIVE VICE PRESIDENT - AI ADVISORY,
STRATEGY AND PLATFORMS
RXDATASCIENCE

When: January 27, 2021 4:00-5:00PM

Join UNC Charlotte's School of Data Science and RxDataScience for a virtual recruitment session.

For more information, visit the [Data Science website](https://datascience.uncc.edu).

Register Here

Featured Job OPPORTUNITIES

Press Ganey - Research Analyst



PRESS GANEY®

****Interested candidates should apply through the link below and mention**

Joshua Hertel and the School of Data Science under "How they heard about the position. The company's HR department will be on the lookout for SDS applicants.

Applicants must be a US citizen or have authorization to work in the US.

About Press Ganey

Press Ganey pioneered the health care performance improvement movement more than 30 years ago. Today, Press Ganey offers an integrated suite of solutions that enable enterprise transformation across the patient journey. Delivered through a cutting-edge digital platform built on a foundation of data security, Press Ganey solutions address safety, clinical excellence, patient experience and workforce engagement. The company works with more than 33,000 health care facilities in its mission to reduce patient suffering and enhance caregiver resilience to improve the overall safety, quality and experience of care.

Position Description:

The Research Analyst will assist in the governance of specific Press Ganey product lines and the design and execution of strategic research projects. The person will manage data quality across products.

Minimum Education and Experience:

MA or MS preferred in statistics, data science, social science or healthcare related field with a strong quantitative background

[Learn More and Apply Here](#)

Fellowship Opportunities - ORISE at the CDC

About the Program

The Centers for Disease Control and Prevention (CDC) Research Participation Program is managed by the Oak Ridge Institute for Science and Education (ORISE) under an agreement between the CDC and the U.S. Department of Energy (DOE). The CDC collaborates to create the expertise, information, and tools that people and communities need to protect their health – through health promotion; prevention of disease, injury and disability; and preparedness for new health threats. The CDC ORISE programs are considered a valuable human capital and workforce development tool, which provide educational experiences and training in public health as a means to introduce highly motivated participants to potential public health careers.

Fellowship Opportunities:

- [CDC Environmental Public Health Tracking Fellowship](#)
CDC | Atlanta, GA | Full-Time | **DEADLINE: January 15, 2021**

- [CDC Bioinformatics Fellowship](#) **NEW!**

- **CDC Policy Fellowship NEW!**

Data Science Jobs with the Federal Government



Data Science positions may be at the GS 13 or 14 level. The number following each GS level is the number of positions this agency is seeking to fill at each level, and is subject to change based on the needs of the government hiring agencies.

Each of these unique roles requires the competencies and experience described in the [Data Scientist posting](#).

[Visit the website](#)

National Institute of Allergy and Infectious Diseases (NIAID) Emerging Leaders in Data Science Fellowship



National Institute of Allergy and Infectious Diseases (NIAID) conducts and supports basic and applied research to better understand, treat, and ultimately prevent infectious, immunologic, and allergic diseases.

For more than 60 years, NIAID research has led to new therapies, vaccines, diagnostic tests, and other technologies that have improved the health of millions of people in the United States and around the world. NIAID is one of the 27 Institutes and Centers of the National Institutes of Health (NIH).

The deadline to apply is **February 12, 2021** at 11:59PM EST

[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 believe's 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](#)

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

[Join the Facebook Group](#)



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