OUR MISSION

Since 2013, the University of Virginia, School of Data Science, (formerly the Data Science Institute) has pursued a dual mission to educate students and to enable researchers to solve real-world problems and make innovative discoveries using data science in collaboration with academic, government, industry, and community partners. Through a $120 million gift from the Quantitative Foundation in 2019, the School of Data Science continues to train high-quality, diverse, and responsible practitioners and leaders in the field of data science; conduct interdisciplinary, shared research that increases discovery and provides societal benefit; and work with communities, near and far, to use data science applied to meet their own needs.

OUR GRADUATES

Master of Science in Data Science graduates are highly skilled at the science of data—from data engineering, to data analysis and reporting, to data modeling and visualization. At the School of Data Science, our students are taught the value of responsible, ethical data science in practice through a rigorous Master’s program with a focus on cultivating collaboration, integrity, knowledge, and technical ability. They apply their knowledge to real-world problems faced by organizations around the globe.

School of Data Science alumni are employed by Amazon, Green Bay Packers, CIA, Capital One, MITRE, Morgan Stanley, NIH, McKinsey, Workday, Deloitte, Meetup, and Northrop Grumman, among many others, with titles like Machine Learning Engineer, Senior Data Analyst, Data Scientist, Analytics Consultant, Data Science Developer, and more.

OUR PROGRAMS

MASTER OF SCIENCE IN DATA SCIENCE (RESIDENTIAL)
The Master of Science in Data Science program at the School of Data Science offers an 11-month integrated curriculum that focuses on real-world learning and interdisciplinary knowledge, at the University of Virginia in Charlottesville. For more information, contact Patti Edson at patti.edson@virginia.edu.

MASTER OF SCIENCE IN DATA SCIENCE (ONLINE)
The online Master of Science in Data Science expands the accessibility of our rigorous, cutting-edge curriculum beyond Grounds with an online, part-time program that can be completed in less than three years. For more information, contact Patti Edson at patti.edson@virginia.edu.

MINOR IN DATA SCIENCE (RESIDENTIAL)
The Minor in Data Science will expose students to the School of Data Science’s conceptual framework for the emerging field of data science. This framework includes four central areas of focus including analytics, systems (data engineering), design (communications) and value (ethics). This 15 credit program begins in Spring 2020. For more information, contact Patti Edson at patti.edson@virginia.edu.

datascience.virginia.edu
OUR RESEARCH

The School of Data Science is committed to furthering Open Access to information and machine readable data. SDS researchers are contributing to the development of SCHOLIA for accessing research products (Sloan Foundation); partnering with Wikimedia on making disease information available in Asian languages (Gates Foundation); and making clinical trial information more transparent and findable through Wikidata (Wellcome Trust). Presidential Fellows carried out interdisciplinary research projects in disciplines as varied as Environmental Science, Biochemistry, and more. One notable project sought to automate the analysis of job interview videos to identify sentiment, microexpressions and other factors that might impact a hiring decision.

Master of Science in Data Science students carried out 19 capstone projects for corporate, research and nonprofit clients, including a project partnering with the dbS Productions and the Wikimedia Foundation to improve the search of the museum’s online collection. The School of Data Science launched a summer undergraduate research program to create pathways into our graduate program and data science careers for students from underrepresented groups. Projects ranged from crime and policing to social media sentiment analysis.

OUR PARTNERSHIPS

Partnering with the School of Data Science means advancing knowledge, and helping to prepare and connect with the next generation of curious, responsible data scientists. The School of Data Science seeks partnerships to create meaningful opportunities for engagement with our students and team. Your investment showcases your corporate commitment to this exciting new area and paves the way for further collaboration and project partnership. For more information on corporate partnerships contact Wendell Collins at wendellc@virginia.edu.

GETTING INVOLVED

There are numerous ways for new faculty to engage with the School of Data Science. Attend one of our events or lectures. Engage a team of Masters students to analyze your data. Become an affiliated faculty of the School. Contact Claudia Scholz (cws3v@virginia.edu) to learn more about how faculty across Grounds can engage with Data Science.

School of Data Science

PHIL BOURNE
Dean & Stephenson Chair, School of Data Science
Professor, Department of Biomedical Engineering
peb6a@virginia.edu

JEFFREY BLUME
Quantitative Foundation Associate Dean of Academic and Faculty Affairs
blume@virginia.edu

CLAUDIA SCHOLZ
Director for Research Development
cws3v@virginia.edu

PATTI EDSON
Director of Admissions & Financial Aid Services
patti.edson@virginia.edu

SIRI RUSSELL
Associate Dean for Diversity, Equity and Inclusion
ssr5v@virginia.edu

EMMA CANDELIER
Director of Communications
ecandelier@virginia.edu