



## OUR MISSION

Since 2013, the University of Virginia 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.

In January, UVA announced plans to establish a new School of Data Science through a \$120 million gift from the Quantitative Foundation. As the Data Science Institute transitions to a School, our mission, centered in education and research, remains the same. Our strategy in fulfilling that mission is embodied in four key values.

**RESPONSIBILITY**

**COLLABORATION**

**OPENNESS**

**DIVERSITY AND INCLUSION**

## OUR GRADUATES

UVA 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 DSI, 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.

DSI 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.

**100%**

OF 2018 MSDS COHORT  
EMPLOYED FULL-TIME

**100%**

OF 2017 MSDS COHORT  
EMPLOYED FULL-TIME

**98%**

OF 2016 MSDS COHORT  
EMPLOYED FULL-TIME

## OUR PROGRAMS

### MASTER OF SCIENCE IN DATA SCIENCE (RESIDENTIAL)

The Master of Science in Data Science program at the Data Science Institute 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](mailto:patti.edson@virginia.edu).

### MASTER OF SCIENCE IN DATA SCIENCE (ONLINE)

The new 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 Sarah Kelly at [onlinedatascience@virginia.edu](mailto:onlinedatascience@virginia.edu).

[DATASCIENCE.VIRGINIA.EDU](http://DATASCIENCE.VIRGINIA.EDU)

## THE SCHOOL OF DATA SCIENCE

In an increasingly data-driven society, the mission of UVA's new School of Data Science will be 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.

### RESEARCH

With core values of open, transparent, and ethical science, the School will support interdisciplinary, collaborative research to seek truth and serve the public good through discovery and innovation.

### EDUCATION

A 'School without Walls,' we will transform education by integrating data science across academic disciplines and training students in the entire data science pipeline to be responsible and ethical leaders in the field.

### SERVICE

As a School, our team will work with communities, organizations, and leaders to use data science tools and techniques to make a positive impact on society, furthering our mission to improve the quality of life for all.

[LEARN MORE AT DATASCIENCE.VIRGINIA.EDU/MODELING-FUTURE-HIGHER-EDUCATION](https://datascience.virginia.edu/modeling-future-higher-education)

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## HAPPENINGS AT DSI

### DATAPALOOZA | NOV. 1, 2019 | THE GRADUATE

A daylong event featuring cutting-edge research in data science across disciplines and technical fields from universities and organizations around the world.

### WOMEN IN DATA SCIENCE CHARLOTTESVILLE | SPRING 2020

A conference focused on inspiring and educating data scientists in our regional community and supporting women in the field.

### DATA ANALYTICS BOOT CAMP | ONGOING

An executive education program to transform participants' understanding of data science and analytics, and provide practical career tools led by distinguished faculty from across UVA.

### ETHICS IN DATA SCIENCE DISTINGUISHED PANEL | SPRING 2020

A distinguished panel discussion on ethics in data science bringing together researchers, industry professionals, and government officials.

[DATASCIENCE.VIRGINIA.EDU/EVENTS](https://datascience.virginia.edu/events)

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## DATA SCIENCE INSTITUTE

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