



UNIVERSITY
of VIRGINIA

SCHOOL of DATA SCIENCE

A School Without Walls

The University of Virginia School of Data Science—the first of its kind in the nation—is guided by common goals: to further discovery, share knowledge, and make a positive impact on society through collaborative, open, and responsible data science research and education. Founded in fall 2019 through the largest gift in UVA history, the School positions the university and our community to play a national and international leadership role in the global digital future.

Data Science Research

The School of Data Science pursues high-impact research to further discovery, share knowledge and transform society. Through their research, our faculty and students are building a better world in a variety of ways. Research areas include Democracy, Education, Health & Medicine, Cybersecurity, Environment, and Business.

Collaboratories and Centers

Collaboratories are cross-disciplinary research groups that use the power of data science to advance every field, creating a collaborative ecosystem of people, ideas, and infrastructure. The School of Data Science currently has established two Collaboratories, partnering with the School of Education and Human Development and the Darden School of Business.

Centers are concentrated hubs that allow students and faculty to explore some of the most pressing challenges in our data-driven society through a clearly defined lens. Our inaugural Center is the Center for Data Ethics and Justice, which investigates a range of issues, including bias, inequality, and AI.

Degree Programs

By working with experts in diverse domains, applying data science to real-world issues, and learning both the practical application of data science and the principles behind it, our students are poised to become leaders and pioneers in the field. Our goal is to educate students in data science throughout their academic journey and as lifelong learners, from undergraduate to professional. Degrees and programs offered:

- Ph.D. in Data Science
- M.S. in Data Science (online and residential)
- Dual Degrees
- Minor in Data Science
- Professional Programs (Non-Degree)
- B.S. in Data Science* (pending approvals)

Mission

CATALYZE discovery through leading edge, interdisciplinary research.

EDUCATE a diverse workforce to be responsible practitioners and leaders in an increasingly data-driven society.

SERVE our community, our nation, and our world by using data science to advance the common good.

Growing Team

The School continues to grow and is hiring the best and brightest, establishing operational policies and procedures, and creating an organizational structure that reflects how best to fulfill our guiding principles. The expectation is to expand its diverse faculty roster and hire 10-15 new teaching and research faculty per year over the next few years.

Employment Stats

MSDS, Residential

100% employed
\$89K avg. base salary
\$94K median salary

MSDS, Online

100% employed
\$103K avg. base salary
50% career pivot

Championing Equity

Our society faces immense challenges related to the COVID-19 pandemic, systemic racism, and broad economic uncertainty. At the School of Data Science, our mission remains clear. From our inception, we have sought to center ethics, inclusion, and transparency in all we do. The urgent challenges of this moment have prompted our school to accelerate and reallocate our resources and efforts in this area. Data can uncover systemic inequities and injustices—yet our field cannot solve these issues without diverse voices. We recognize that like institutions everywhere, we still have much room for growth in this area, and we welcome new partnerships that share our vision of equity and innovation.

Transforming Society

Data is changing the way we do everything. Researchers at the School of Data Science have used data from hospital monitors to better treat patients, credit card data to prevent fraud, and transportation data to reduce accidents. All of this requires cutting-edge knowledge of data science tools and techniques, as well as the ability to put them into practice. We seek to collaborate with community, industry, and government organizations to connect our work with theirs.



New Space, New Home

The School of Data Science is scheduled to move into their new home in 2024. The new space will stand at a vital intersection—Emmet Street and Ivy Road—and connect Central Grounds with the athletics complex and fields, the Law School, and the Darden School of Business. A vibrant hub built to foster collaboration, the building will bring people together from across the University, the city of Charlottesville, and beyond.

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Opportunities

Scholarships. Faculty research projects. Recruiting and mentorship. New initiatives, like our Data Justice Academy summer program underrepresented students in data science to work on health equity research. New spaces, like our Open Lab, a center for hands-on experience with free and open-source technologies.

Current Partners

GOVERNMENT

NASA
U.S. Army

COMMUNITY

Metropolitan Museum of Art
UVA Health System
Wikipedia Foundation

INDUSTRY

Capital One
Deloitte AI Institute for Government
IBM
LMI
Maxar
Microsoft Azure
Noble Research Foundation
S&P Global
Oracle for Research
QIM

Building Stats

4 stories
61,122 square feet
1,873 total capacity
20 collaborative work spaces
\$2M support from Capital One's Center for Machine Learning