School of Data Science
The University of Texas at San Antonio

OVERVIEW

UTSA's School of Data Science is the only school of its kind at a Carnegie R1 U.S. Hispanic Serving Institution. With data-intensive degree programs, experiential learning and research across many disciplines, the school's world class faculty and core staff work in tandem with hundreds of students to discover, teach, learn and use data science and AI for positive societal and economic impact. The school is a cornerstone of the university's 10-year strategic growth plan in Downtown San Antonio. It is primarily housed in San Pedro I – a 167,000-square-foot state-of-the-art facility that draws countless academic, government and industry leaders to engage with hundreds of our students and faculty. The School of Data Science is paving the way for the next generation of data science and AI practitioners, scientists and scholars who will make our world more equitable, informed, and secure.

CHALLENGE

The need for data science and artificial intelligence (AI) talent is unmet, and fewer than 15% of data scientists are from underserved groups. It is essential to increase the quality, scale and accessibility of data science education to foster an informed citizenry and unlock the potential of a new generation of data innovators. UTSA is positioned with the right physical and virtual environments and diverse teaching and research teams to meet the talent demand. The need for informed, safe and secure, and use-inspired data science and AI research is also needed. The School of Data Science is also well positioned to advance discovery and impact with this type of data science and AI research in many domains and markets, including energy, financial services, healthcare, security, the arts, and transportation.

IMPACT

Through our education programs and research—as well as our collaboration with innovative companies, entrepreneurs and government agencies—UTSA is playing a lead role in meeting the persistent national growth in data science and AI jobs, projected at 26.5% in Texas alone over the next decade. Our interdisciplinary research addresses global issues in areas including health, poverty, and sustainability. Our facility with its nine technology-connected classrooms is more than just a place for the School of Data Science students to innovate and create. It is also a place where researchers and innovators from 16 research centers interact while exploring artificial intelligence, cybersecurity, machine learning, robotics, the Internet of Things, and more. In the Dell Technologies Roadrunner Data Center, we have the infrastructure to power many virtual appliances and applications to enable the potential in the demanding data models and AI algorithms. The School of Data Science is helping to make San Antonio a national hub for data science and AI talent and impact so that our world can be more equitable, informed, and secure.

COMPONENTS

- 1,000+ Students, Researchers and Faculty Engaged in:
    - o Data science and analytics/AI teaching and learning in 5 graduate degree programs, 5 undergraduate degree programs, multiple certificate programs and experiential learning
    - o Data discovery and application in science, technology, engineering, math, business, education, public health, social sciences, humanities, and the arts

- 2 UTSA Institutes
    - o Matrix AI Consortium for Human Wellbeing
    - o Open Cloud Institute

- 2 Research Collaborations with the U.S. Census Bureau and UT Health San Antonio

- 13 Labs Advancing the Internet of Things, Data Engineering/Fusion, Robotics and more

- Los Datos Conference and Draper Data Science Business Plan Competition, Distinguished Speaker Seminars, 'Pop-up' Demos and Talks

- 1 Conference Center (up to 300 seats)

PHILANTHROPIC OPPORTUNITIES

The University of Texas at San Antonio has launched a comprehensive campaign to support UTSA's 10-Year Strategic Plan introduced by President Taylor Eighmy in 2017. **Be Bold: A Campaign for Our Future**, which also extends 10 years and has a working goal of $500 million, is focused on providing the infrastructure and resources needed to become a model for student success and research discovery. There are several philanthropic opportunities within the UTSA School of Data Science.

Endowed Faculty Positions create greater opportunities for high-quality faculty recruitment, allowing UTSA to align with America's leading research universities in global impact. Endowment levels include:

- $3,000,000+ Distinguished Chair
- $2,000,000+ Chair
- $1,000,000+ Distinguished Professorship
- $500,000+   Professorship
- $250,000+   Faculty Fellowship
- $100,000+   Graduate Fellowship
- $25,000+   Undergraduate Scholarship

The **Strategic Industry Member Program** creates opportunities for the data science community to explore specific, complex problems together with the potential for deep impact on society.

The **Datos Para Todos Scholarship** helps attract and retain high-achieving upperclassmen into the field of data science. Consider establishing an annual or endowed scholarship.

The **Datos Para Todos in-Residence Program** brings an artist or journalist to work within the UTSA data science community to enrich it and their data-inspired creative pursuits.

UTSA also welcomes the opportunity to discuss a Naming Opportunity that can provide support beyond bricks and mortar. Supporting a **Naming Opportunity** can allow for major academic and programmatic transformations that will elevate the SDS to greater levels of excellence.

CONTACT INFORMATION

Jeanette Miller
Director of Development
Jeanette.Miller@utsa.edu