



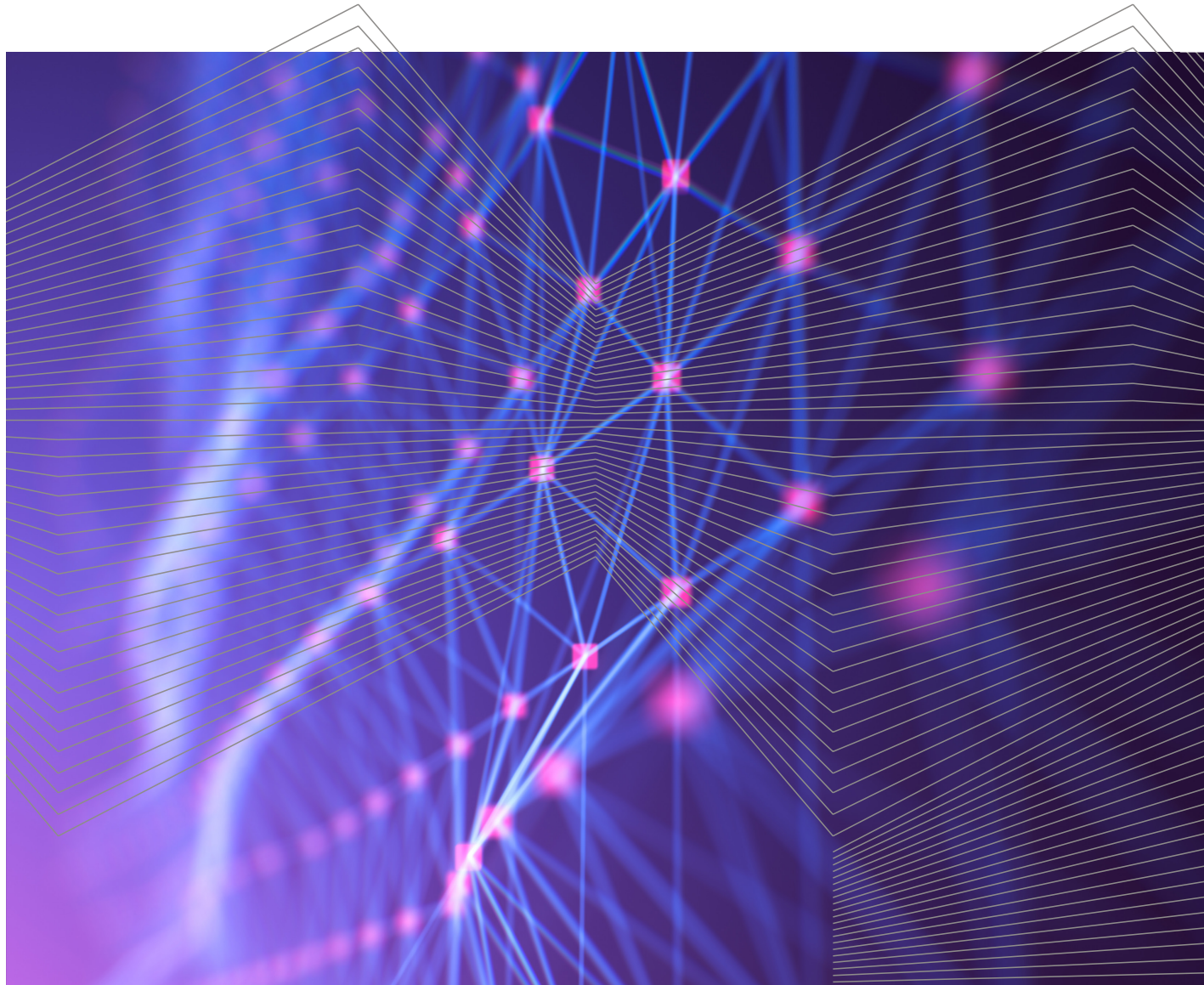
**IF YOU THINK THE  
BUILDING IS UNUSUAL,**

**BOSTON  
UNIVERSITY**

Boston University Faculty of Computing & Data Sciences

**YOU SHOULD  
SEE WHAT  
HAPPENS INSIDE. →**





**AT ONCE ICONIC  
AND ICONOCLASTIC.**



**BOSTON UNIVERSITY'S  
NEW CENTER FOR  
COMPUTING & DATA  
SCIENCES** is a wonder  
of style and function. But  
before we broke ground  
on campus, the Faculty  
of Computing & Data  
Sciences (CDS) broke  
ground academically. One  
of the center's inaugural  
occupants, CDS is a unique  
community that engages  
students and faculty from  
across the University.





# FORGET EVERYTHING YOU KNOW ABOUT STUDYING DATA SCIENCE. WE DID.



**HERE IS SOMETHING ENTIRELY NEW:** a novel academic structure that imbues computational and data-driven thinking across all fields of study. CDS is designed for those pushing the technological frontiers of data science as well as those using these technologies to advance other disciplines.

**AS RIGOROUS AS ANY,** our programs challenge academics and practitioners alike. Our graduate programs train leaders of cutting-edge research and development in academia or industry. Our undergraduate programs equip students with methodological expertise and in-the-field training in data and software engineering, machine learning, and AI, along with an appreciation for using them ethically.

**DATA SCIENCES FOR ALL.** With fewer in-major credits required than most programs, our major is ideal for a minor or a double major. And, because we cover mathematical, algorithmic, and programming foundations in our courses, the major is accessible to people who have traditionally shied away from STEM careers, most notably women and Black, Latinx, and first-generation college students.

## CDS ACADEMIC PROGRAMS

### PhD in Computing & Data Sciences

An intensive program that combines deep coverage of core competencies with in-the-field training through lab rotations, leading to a PhD thesis with original research contributions.

### BS in Data Science

A flexible program that complements coverage of foundational and core data science topics with follow-on methodology electives and in-the-field practicums.

### Minor in Data Science

A program designed to acquaint students with the ways of thinking and doing that fuel data-driven discovery and innovation.

### MS in Data Science (coming soon)

Designed for data science and analytics professionals interested in career advancement or professionals in other fields interested in data science careers.







## PRIORITY ONE: IMPACT.



### RESEARCH THAT MATTERS TO SOCIETY IS THE HEART OF CDS.

Impact is as important as scholarly achievement. Data science is a common language that all disciplines—social sciences, business, humanities, natural and applied sciences—can use to improve lives and circumstances. We focus on four thematic areas of impact: equity, sustainability, health and biomedicine, and civic technology. At CDS, the ivory tower meets the public square.



## LEARN. DO. RISE HIGHER.



### WE EMPHASIZE THEORY AND PRACTICE EQUALLY.

CDS requires students to engage with both, which better prepares them to add practical value in whatever field they forge a career. Experiential learning, powered by the BU Spark! program, is a key component of CDS and further contributes to the student's preparedness for the workplace. We also partner with businesses and public services to open even wider the door between learning and doing.



## AT THE INTERSECTION OF JUST ABOUT EVERYTHING.



### CDS IS MORE THAN INTERDISCIPLINARY.

Our lack of boundaries allows us to intertwine with the very fabrics of disciplines across the University, accelerating computational and data-driven innovation in every field. Most faculty members hold joint appointments in BU's 17 schools and colleges—they are engineers, theologians, lawyers, educators, and biologists, as well as data scientists. The collaboration that occurs here makes its way throughout the University and into the world beyond.



## ALL IN. AS ALWAYS.



### DATA SCIENCE AT BU HAS BEEN GAINING MOMENTUM

with the development and growth of our programs in computer science, computer engineering, and statistics. Leveraging these programs, the Rafik B. Hariri Institute for Computing and Computational Science & Engineering has fueled interdisciplinary research since 2012. Still, CDS represents a giant leap in commitment. To guide its policies, principles, and strategies, we tapped **Azer Bestavros**, Hariri's well-respected founder, as associate provost for computing and data sciences.







**NOW, ABOUT  
THAT BUILDING.**



**THE BU CENTER FOR  
COMPUTING & DATA SCIENCES**

features a bold appearance, sustainable technology for heating and cooling, and vast resources for scholarship. Inside is a “vertical campus,” designed to facilitate and encourage interaction through seamlessly connected public areas, classrooms, labs, and collaborative research spaces. It houses CDS, the Hariri Institute for Computing, and our Departments of Mathematics & Statistics and Computer Science. Centrally located on campus, the center serves as a literal and intellectual crossroads for the University.







# JOIN US IN SHAPING THE FUTURE.



**CDS IS COMMITTED TO LEADERSHIP** in scholarship and its application. We've already changed the way academia approaches computing and data sciences. Join us—as a student, faculty member, or partner—to create even greater change and shape an exciting, productive future:

visit [bu.edu/cds](https://bu.edu/cds).

Copyright © 2022 by the Trustees of Boston University. All rights reserved. Boston University's policies provide for equal opportunity and affirmative action in employment and admission to all programs of the University. In keeping with Boston University's commitment to sustainability, this publication is printed on FSC-certified paper containing 30% postconsumer waste.