GOERGEN INSTITUTE FOR DATA SCIENCE Spring Newsletter

June 2020 From the University of Rochester



laude), 35 graduated with departmental distinctions, and 9 were inducted into Phi Beta Kappa. The online commencement also conferred degrees to 41 master's students: 14 who completed their degrees in May and 27 who completed their degrees in December 2019. Congratulations to the

Class of 2020! Graduates at a Glance Of the 55 data science undergraduates receiving degrees in 2020: 13 students (24 percent) received Bachelor of Arts (BA) degrees and 42 students (76 percent) received Bachelor of Science (BS) degrees. 34 students (62 percent) were male and 21 students (38 percent) were female.

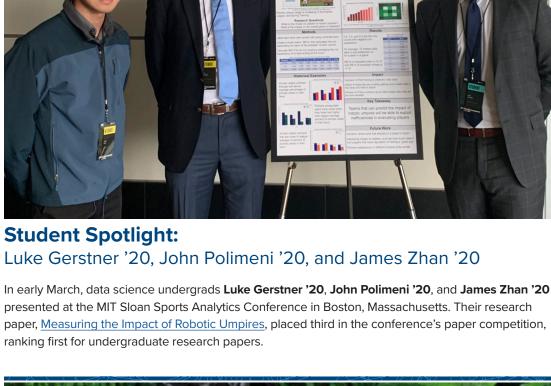
who received degrees, 26 received Latin honors (cum laude, magna cum laude, or summa cum

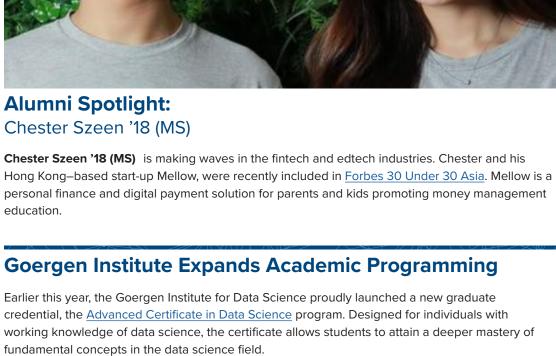
studying everything from applied mathematics and physics, to economics, digital media studies, and business.

20 students (36 percent) completed minors in fields such as philosophy, Japanese, and

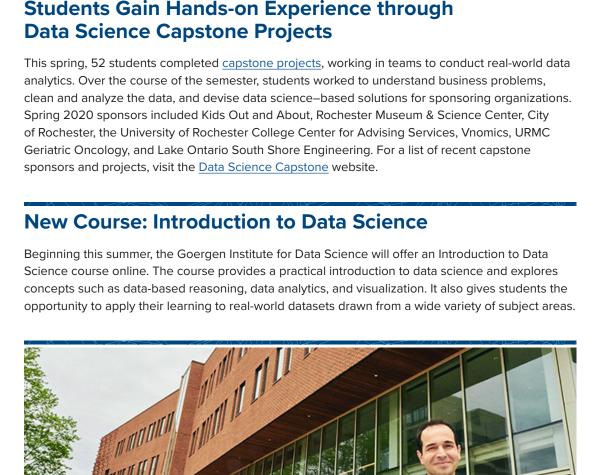
international relations. We could not be prouder of our data science graduates and their accomplishments!

35 students (64 percent) were dual majors and 2 students (4 percent) were triple majors,





Exploratory Analysis



Working Groups Bring University of Rochester

Faculty Together

human-data-system interfaces

complex systems and network data science economics and business data analytics

collaborative research on data science, help to shape and update the strategic priority areas of the Goergen Institute, and build on the strengths of the University, while enabling clusters of faculty to initiate new research directions and collectively impact emerging research areas," says Director Cetin. The initial seven working groups focus on the following themes: foundations of machine learning and artificial intelligence imaging, optics, and computer/human vision life sciences and biomedical data science health analytics and digital health

PLEASE

REMEMBER

SOCIAL

DISTANCING

* 6 FEET *

With the establishment of the Goergen Institute for Data Science working groups, Director Mujdat <u>Cetin</u> has brought faculty from across the University of Rochester together, with the common goal of pursuing interdisciplinary data science research opportunities. "GIDS working groups facilitate

APART

Under the newly created Greater Data Science Cooperative Institute, the Goergen Institute and Cornell University gathered and analyzed COVID-19 case data to discern the impact of social distancing on the virus's spread. Researchers found that social distancing measures have merely

Joint COVID-19 Research with Cornell University

Addresses the Impact of Social Distancing

stabilized the spread of coronavirus in the US, rather than reversing it.

Rochester Data Science Consortium Paper

Addresses COVID-19 Reopening

Researchers at the Rochester Data Science Consortium (RDSC) have written awhite paper outlining a data-driven approach to safely reopening businesses, identifying factors that mitigate the risk of COVID-19 transmission. Drawing on the U.S. Bureau of Labor Statistics (BLS)'s Occupational Information Network (O*NET) surveys, RDSC researchers identified and ranked occupations and industries based on teleworking capabilities and risk of COVID-19 transmission.

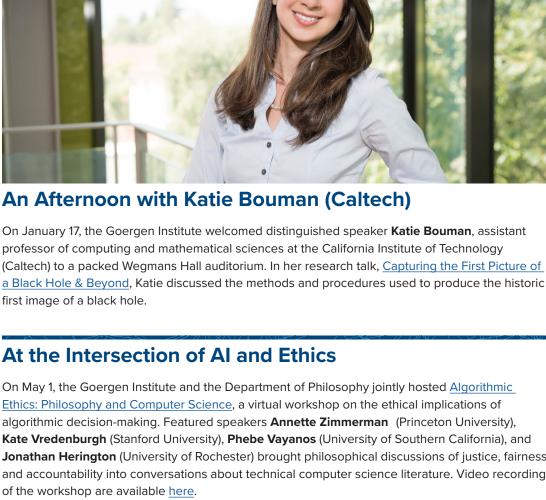


On January 17, the Goergen Institute welcomed distinguished speaker Katie Bouman, assistant professor of computing and mathematical sciences at the California Institute of Technology (Caltech) to a packed Wegmans Hall auditorium. In her research talk, Capturing the First Picture of

On May 1, the Goergen Institute and the Department of Philosophy jointly hosted Algorithmic Ethics: Philosophy and Computer Science, a virtual workshop on the ethical implications of algorithmic decision-making. Featured speakers Annette Zimmerman (Princeton University), Kate Vredenburgh (Stanford University), Phebe Vayanos (University of Southern California), and Jonathan Herington (University of Rochester) brought philosophical discussions of justice, fairness, and accountability into conversations about technical computer science literature. Video recordings of the workshop are available here.



Faculty Awards and Recognition



of Directors.

The Association for Clinical and Translational Science (ACTS) named affiliated faculty member Scott Steele to its Board





Former Goergen Institute

Interim Director and Data

Science Fellow M. Ehsan

Hoque was named an

emerging leader by the

National Academy of

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