



PROFESSIONAL EDUCATION

Online X Programs

Massachusetts Institute of Technology

This is to certify that

Javier Ruiz Aranguren



has successfully completed

Tackling the Challenges of Big Data

March 4 - April 1, 2014
(20 hours)

An online program developed by the faculty of the MIT Computer Science and Artificial Intelligence Laboratory
in collaboration with MIT Professional Education and edX

Bhaskar Pant
Executive Director
MIT Professional Education

Daniela Rus
Professor & Director
MIT Computer Science and
Artificial Intelligence Laboratory

Sam Madden
Professor & Director, Big Data Initiative,
MIT Computer Science and
Artificial Intelligence Laboratory

