

VERIFIED

CERTIFICATE *of* ACHIEVEMENT

Berkeley

This is to certify that

Yi Fan

successfully completed and received a passing grade in

CS105x: Introduction to Apache Spark

a course of study offered by BerkeleyX, an online learning initiative of University of California, Berkeley through edX.



Anthony D. Joseph

Professor in Electrical Engineering and Computer Science

University of California, Berkeley



Diana Wu

Executive Director,

Berkeley Resource Center for Online Education

University of California, Berkeley



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