



# CERTIFICATE of ACHIEVEMENT

This is to certify that

# David Khanin

successfully completed and received a passing grade in

## CS100.1x: Introduction to Big Data with Apache Spark

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



Berkeley

A handwritten signature in black ink that reads "Anthony D. Joseph".

Anthony D. Joseph

Professor in Electrical Engineering and Computer Science

University of California, Berkeley

Technical Advisor

Databricks

VERIFIED CERTIFICATE

Issued July 10, 2015

Verify the authenticity of this certificate at

<https://verify.edx.org/cert/7e5dd91df89843c8bfbf4cacd9537bdc>