ID VERIFIED

# CERTIFICATE of ACHIEVEMENT

edX Berkeley



**Anthony D. Joseph**

Professor in Electrical Engineering and Computer Science
*University of California, Berkeley*
Technical Advisor
*Databricks*

This is to certify that

## Frederico dos Santos Craveiro Martins

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.

VERIFIED CERTIFICATE
**Issued July 10, 2015**

Verify the authenticity of this certificate at
**https://verify.edx.org/cert/9effb881ac0c479a8335d95db188a15d**