



03/17/2020

Mark Russel Calatrava Miranda

has successfully completed

Open Source tools for Data Science

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in black ink, appearing to read 'Polong Lin', is positioned above a horizontal dotted line.

Polong Lin
Data Scientist, IBM

COURSE
CERTIFICATE



Verify at coursera.org/verify/3TKTUH7DTSPU
Coursera has confirmed the identity of this individual and
their participation in the course.