



01/27/2020

Thomas Otto Trankle

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 blue ink, appearing to read 'Polong Lin'.

Polong Lin
Data Scientist, IBM

COURSE
CERTIFICATE



Verify at coursera.org/verify/96GKGAWT7C4E

Coursera has confirmed the identity of this individual and
their participation in the course.