



May 8, 2021

Thomas Karsten

has successfully completed

Cloud Data Engineering

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

Noah Gift

Noah Gift
Adjunct Professor
Duke MIDS

COURSE
CERTIFICATE



Verify at coursera.org/verify/BXMTJ7W47YGE

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