

VERIFIED

CERTIFICATE *of* ACHIEVEMENT



This is to certify that

Ryan Orsinger

successfully completed and received a passing grade in

DAT101x: Introduction to Data Science

a course of study offered by Microsoft, an online learning initiative of Microsoft Corporation through edX.

A handwritten signature in black ink, appearing to read "Satya Nadella".

Satya Nadella

Chief Executive Officer

Microsoft Corporation

A handwritten signature in black ink, appearing to read "Karen Kocher".

Karen Kocher

General Manager

21st Century Jobs, Skills and Employability

Microsoft Corporation



VERIFIED CERTIFICATE

Issued January 10, 2019

VALID CERTIFICATE ID

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