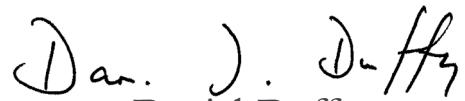


Baruch College, City University of New York

Master of Financial Engineering Program



This is to confirm that
Nickolas Black
has successfully completed the following certificate
C++ Programming for Financial Engineering
on March 13th, 2023



Daniel Duffy
Founder, Datasim Education BV



Dan Stefanica
Director, MS Financial Engineering Program