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**Mykhailo Moroz**

has successfully completed

**Data Manipulation at Scale: Systems and Algorithms**

a MOOC from the University of Washington and offered through Coursera

A handwritten signature in black ink, appearing to read 'Bill Howe'.

Bill Howe, Ph.D  
Associate Director  
eScience Institute  
Affiliate Assistant Professor  
Computer Science & Engineering  
University of Washington

**COURSE  
CERTIFICATE**



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