

# X Series Certificate

This is to certify that

**Liao Xiang**

has successfully completed all courses and received  
passing grades for an XSeries Program certificate in

**Computational Thinking using Python**

a program offered by MITx, in collaboration with  
edX.



XSERIES PROGRAM CERTIFICATE  
Issued October 2018

VALID CERTIFICATE ID  
7385b00c81794212a06c4f390560cd7a



A handwritten signature in black ink, appearing to read 'John V. Guttag'.

John Guttag

Dugald C. Jackson Professor of  
Computer Science and Electrical Engineering  
*Massachusetts Institute of Technology*

A handwritten signature in black ink, appearing to read 'Eric Grimson'.

W. Eric L. Grimson

Interim Vice President for Open Learning  
*Massachusetts Institute of Technology*

A handwritten signature in black ink, appearing to read 'Chris Capozzola'.

Christopher Capozzola

Senior Associate Dean for Open Learning  
*Massachusetts Institute of Technology*