

# X Series Certificate

This is to certify that

**Charles Thomas  
Wallace Truscott**

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 May 2023

**VALID CERTIFICATE ID**  
2d6791e0c2eb428e9b99364fefede73c



A handwritten signature in black ink, appearing to read 'John 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*

