



CERTIFICATE *of* ACHIEVEMENT



A handwritten signature in black ink, appearing to read 'David J. Malan'.

David J. Malan

Gordon McKay Professor
of the Practice of Computer Science
Harvard University

This is to certify that

Jack Boyles

successfully completed and received a passing grade in

CS50: Introduction to Computer Science

a course of study offered by HarvardX, an online learning
initiative of Harvard University through edX.

VERIFIED CERTIFICATE
Issued November 05, 2015

Verify the authenticity of this certificate at
<https://verify.edx.org/cert/4c33bc893a9a4584914cd4258a5951a6>