



CERTIFICATE *of* ACHIEVEMENT



David J. Malan

Gordon McKay Professor
of the Practice of Computer Science
Harvard University

This is to certify that

Joao Pedro Cardeano Carvalho

successfully completed and received a passing grade in

CS50x: Introduction to Computer Science

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

VERIFIED CERTIFICATE
Issued December 31st, 2014

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