



CERTIFICATE
Issued Nov. 8th, 2012

This is to certify that

pablo estrin

successfully completed

CS169.1x: Software as a Service

a course of study offered by **BerkeleyX**, an online learning
initiative of THE UNIVERSITY OF CALIFORNIA AT BERKELEY, through **edX**.

A handwritten signature in black ink, appearing to read 'Armando Fox'.

Armando Fox
Academic Director for Online Education,
Adjunct Associate Professor
UC BERKELEY

A handwritten signature in black ink, appearing to read 'Diana Wu'.

Diana Wu
Executive Director for Online Education,
UC BERKELEY

A handwritten signature in black ink, appearing to read 'D. A. Patterson'.

David Patterson
Pardee Professor of Computer Science,
UC BERKELEY

HONOR CODE CERTIFICATE

*Authenticity of this certificate can be verified at <https://verify.edx.org/cert/f2ff10407aa541f5817cf12ddec77c64>