



CERTIFICATE
Issued October 24th, 2013

This is to certify that

Alejandro Alvarez

successfully completed

CS191x: Quantum Mechanics and Quantum Computation

a course of study offered by **BerkeleyX**, an online learning
initiative of **The University of California At Berkeley** through **edX**.

Handwritten signature of Armando Fox in black ink.

Armando Fox
Academic Director for Online Education
Professor In Residence
UC Berkeley

Handwritten signature of Diana Wu in black ink.

Diana Wu
Executive Director for Online Education
UC Berkeley

Handwritten signature of Umesh Vazirani in black ink.

Umesh Vazirani
Roger A. Strauch Professor of EECS
UC Berkeley

HONOR CODE CERTIFICATE

*Authenticity of this certificate can be verified at <https://verify.edx.org/cert/19a1b0fb516b408d8e45d67566fb1c3d>