



CERTIFICATE
Issued October 24th, 2013

This is to certify that

Ashwani Kumar

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**.

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

Armando Fox
Academic Director for Online Education
Professor In Residence
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 'Umesh Vazirani'.

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/eaf9b4b6a6f64c17a1b637f0c93fbc36>