



CERTIFICATE  
*Issued April 30th, 2013*

This is to certify that

**Joan Torrijos**

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 be 'A. Fox'.

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

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

**Diana Wu**  
Executive Director for Online Education  
UC Berkeley

A handwritten signature in black ink, appearing to be '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/e425039d495243dab7909a2895b2d3f8>