

OCTOBER 16, 2012

# Statement of Accomplishment

## YAROSLAV LYAKH

HAS SUCCESSFULLY COMPLETED THE ONLINE OFFERING OF



### Quantum Mechanics and Quantum Computation

This advanced undergraduate course provides an introduction to the basic principles of quantum mechanics and to quantum computation, including qubits and quantum gates, entanglement, quantum fourier transform, and quantum algorithms for factoring and unstructured search.



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ROGER A. STRAUCH PROFESSOR OF EECS

PLEASE NOTE: THE ONLINE OFFERING OF THIS CLASS DOES NOT REFLECT THE ENTIRE CURRICULUM OFFERED TO STUDENTS ENROLLED AT THE UNIVERSITY OF CALIFORNIA, BERKELEY. THIS STATEMENT DOES NOT AFFIRM THAT THIS STUDENT WAS ENROLLED AS A STUDENT AT THE UNIVERSITY OF CALIFORNIA, BERKELEY IN ANY WAY. IT DOES NOT CONFER A UNIVERSITY OF CALIFORNIA, BERKELEY GRADE; IT DOES NOT CONFER UNIVERSITY OF CALIFORNIA, BERKELEY CREDIT; IT DOES NOT CONFER A UNIVERSITY OF CALIFORNIA, BERKELEY DEGREE; AND IT DOES NOT VERIFY THE IDENTITY OF THE STUDENT.