



Oct 22, 2020

Ryan de França Shiroma

has successfully completed

Algorithms on Strings

an online non-credit course authorized by University of California San Diego and National Research University Higher School of Economics and offered through Coursera

A series of handwritten signatures in black ink, likely representing the faculty members mentioned in the text below.

Alexander S. Kulikov, Visiting Professor; Michael Levin, Associate Professor; Pavel A. Pevzner, Ronald R. Taylor
Distinguished Professor of Computer Science, Director, NIH Center for Computational Mass Spectrometry; Neil Rhodes,
Adjunct Faculty
Department of Computer Science and Engineering
University of California, San Diego

COURSE CERTIFICATE



Verify at coursera.org/verify/S3JW4MFPLALM

Coursera has confirmed the identity of this individual and their participation in the course.