



07/16/2020

TOMAS RICARDO BASILE ALVAREZ

has successfully completed

Algorithmic Toolbox

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, including names like Alexander S. Kulikov, Michael Levin, Neil Rhodes, Pavel A. Pevzner, Ronald R. Taylor, and Daniel M. Kane.

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

COURSE CERTIFICATE



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07/22/2020

**TOMAS RICARDO BASILE
ALVAREZ**

has successfully completed

Data Structures

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 handwritten signature in black ink, appearing to read "Alexander S. Kulikov".

Alexander S. Kulikov, Visiting Professor; Michael Levin, Associate Professor; Neil Rhodes, Adjunct Faculty; Daniel M Kane, Assistant Professor, Computer Science and Engineering at the University of California, San Diego

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UC San Diego



HIGHER SCHOOL OF ECONOMICS
NATIONAL RESEARCH UNIVERSITY

07/29/2020

TOMAS RICARDO BASILE ALVAREZ

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

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

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their participation in the course.



Feb 8, 2021

**TOMAS RICARDO BASILE
ALVAREZ**

has successfully completed

Advanced Algorithms and Complexity

an online non-credit course authorized by University of California San Diego and HSE
University and offered through Coursera

A block of four handwritten signatures in black ink, arranged vertically. The signatures are cursive and appear to be of the four individuals listed in the caption below.

Alexander S. Kulikov, Visiting Professor; Michael Levin, Associate Professor; Neil Rhodes, Adjunct Faculty; Daniel M. Kane,
Assistant Professor, Computer Science and Engineering at the University of California, San Diego

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Feb 9, 2021

**TOMAS RICARDO BASILE
ALVAREZ**

has successfully completed

Genome Assembly Programming Challenge

an online non-credit course authorized by University of California San Diego and HSE
University and offered through Coursera

A block of four handwritten signatures in black ink, written over a dotted line. The signatures are cursive and appear to be of the four faculty members listed below.

Alexander S. Kulikov, Visiting Professor; Michael Levin, Associate Professor; Neil Rhodes, Adjunct Faculty; Daniel M Kane,
Assistant Professor, Computer Science and Engineering at the University of California, San Diego

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