## This is to certify that

## JULIO ALCÁNTARA

has successfully completed the Santa Fe Institute's Massive Open Online Course

Nonlinear Dynamics: Mathematical and Computational Approaches (spring 2022)

nonlinear.complexityexplorer.org

May 07, 2022

LIZ Bradley

Liz Bradley, Lead Instructor

Day Karkay.

David Krakauer, Santa Fe Institute President