

This is to certify that

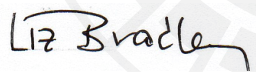
SHAKA CHEN

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

Nonlinear Dynamics: Mathematical and
Computational Approaches (Spring 2023)

nonlinear.complexityexplorer.org

April 22, 2023



Liz Bradley, Lead Instructor



David Krakauer, Santa Fe Institute President