## This is to certify that

## JOSHUA LOPEZ-BINDER

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

Nonlinear Dynamics: Mathematical and Computational Approaches (Fall 2017)

.complexityexplorer.org

December 19, 2017

Liz Bradley

Liz Bradley, Lead Instructor

D ...) K. ....

David Krakauer, Santa Fe Institute President