

*This is to certify that*

JOHN HEIRONIMUS

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

Nonlinear Dynamics: Mathematical and  
Computational Approaches (Spring 2019)

[.complexityexplorer.org](http://complexityexplorer.org)

February 10, 2019



Liz Bradley, Lead Instructor



David Krakauer, Santa Fe Institute President