

This is to certify that

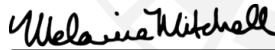
RICARDO ABREU

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

Introduction to Complexity (Fall 2016)

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

December 13, 2016



Melanie Mitchell, Lead Instructor



David Krakauer, Santa Fe Institute President