

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is light green. They are positioned diagonally, with the blue one partially covering the green one.

AI Biles

By: Dor Rondel

Short Bio



- BS in Psychology from UoK
- MS in Computer Science from UoK
- Professor in the School of Interactive Games and Media at RIT
- Used to teach all HCI courses at RIT
- CS Chair from 1990-1993
- Teaches game development
- Program Coordinator for first B.S. IT program



GenJam

What?

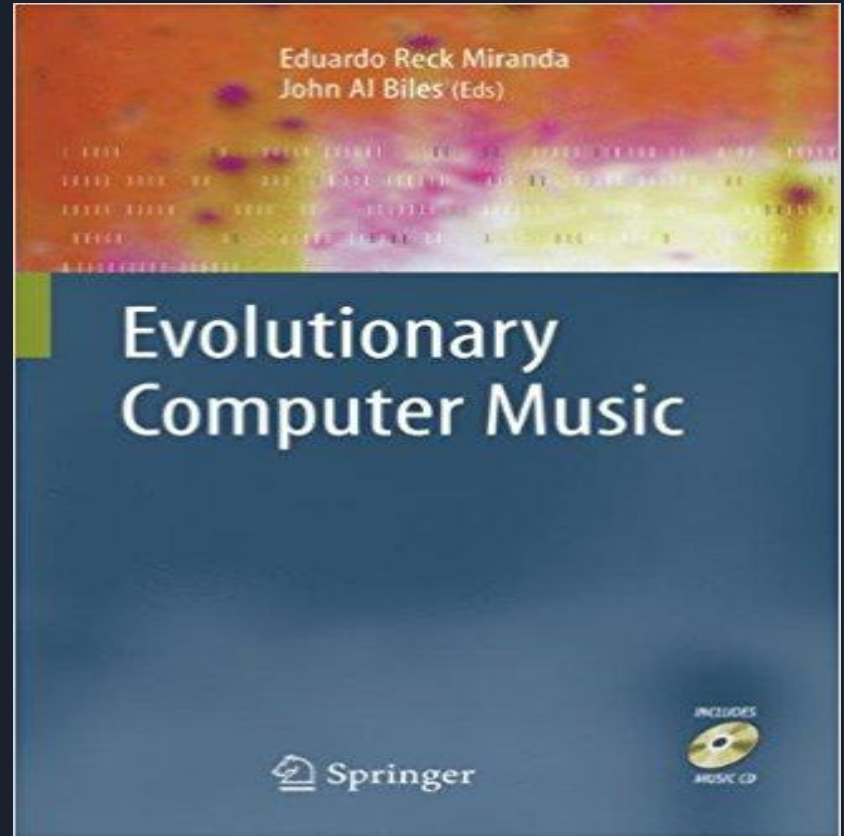
- “Genetic algorithm that learns to improvise jazz”
- Can complement performer for entire melody, plays lower notes while composer plays higher notes
- This is where the genetic “chromosomal” mapping comes into play
- Can trade 4’s and 8’s with performer
- “Working musician”

How?



Evolutionary Computer Music

- Published in 2007
- Elaborates on genetic algorithms used to generate music
- Explains GenJam's architecture
- Explains how to use evolutionary approaches to model the change in musical style over time
- Says techniques have anthropological uses as well





Miscellaneous

- Teaches courses on edX
- Auditioned with GenJam for *America's Got Talent*
- *Virtual Quintet* is the name of his first GenJam album
- @Genjamguy on soundcloud
- @GenJamGuy on github