

Artificial Musical Intelligence

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Abstract

This document describes a project for a machine learning/artificial intelligence based generation of music. It will rely mostly on developed projects and try to connect them to create [A.M.I.](#) With this project I want to create a platform that creates an ecology of musicians that create all of the products associated to music but everything through artificial intelligence.

1 Introduction

2 Thinking big

3 The prototype

Automated generation of music, covers, band name, lyrics, choosing genre, videoclips, partiture, musicians (with all their characteristics)... from an stimulus (words, images, or any kind of data).

4 Timeline

5 Resources

- Musegan, very interesting music generation: <https://salu133445.github.io/musegan/> (part of openAI <https://openai.com/>)
- GPT-2, the Language model that shocked the world with its entirely fictitious story about the unicorns inhabiting a secret South American valley. <https://github.com/openai/gpt-2>
- Pat Savage look at the papers! <https://patrickesavage.wordpress.com/>
- Independent component analysis. (separate streams for guitar etc)
- Not open source:
 - <https://filmora.wondershare.com/audio-editing/best-ai-music-composer.html>
 - <https://algorhythm.ai/>
 - <https://www.aiva.ai/>
- Artists <https://aiartists.org/ai-generated-art-tools>
- <https://www.thispersondoesnotexist.com/> <https://github.com/NVlabs/stylegan2>
- free stuff <https://icons8.com/>
- more free stuff <https://archive.org/>
- All the melodies that can exist <https://github.com/allthemusicllc>