


NAME: SeCo - Sequence Composer


DATE: May 1, 2025 6:46 PM

DESCRIPTION OF TECHNOLOGY

SeCo, or Sequence Composer, is an AI experimental tool to generate music for various genres and styles. It is not meant to replace the creational process, but rather enhance it and improve it by generating samples and ideas. SeCo still requires further research, however, the initial prototype provides hopeful results where more iteration could improve it further.



HUMAN VALUES




SeCo is designed around full empowering individuals and supports their decisions and choices. It aims to help and propose rather than enforce.

TRANSPARENCY



IMPACT ON SOCIETY



SeCo can be further researched, however, is serves as a very strong baseline. It can be improved by looking into optimising the generative part for different genres, gather more data, and finally training the models for longer. Furthermore, a more suitable audio encoding mechanism could improve the sampler.


STAKEHOLDERS



SUSTAINABILITY




HATEFUL AND CRIMINAL ACTORS



Per the way SeCo is developed, it does not allow for bad actors to act malevolently. However, if the project grows into a service, then it is likely to employ best practices to prevent negative actions and bad actors from exercising power in any way.

DATA




SeCo is designed to not collect user data. All data that is collected is sourced with full knowledge of the legal availability of the materials. These two points should be kept throughout the development of the project and further improvements.

FUTURE




PRIVACY



-

INCLUSIVITY



SeCo, if further developed, should preserve the ideas and ideals that it was developed with initially - free for all, unbiased, and fair.

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# IMPROVEMENTSCAN - CANVAS - HELPSIDE SeCo - Sequence Composer

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**IMPACT ON SOCIETY**



**Now that you have thought hard about the impact of this technology on society (by filling out the questions...**  
  
If you think about the real problem this technology is going to solve. If you think about the ability of this technology to solve the real problem. If you think about possible negative effects and whether this technology will contribute to a world you want to live in. If you think about all that, what improvements would you make? In technology? In context? In use?...

**HATEFUL AND CRIMINAL ACTORS**




**Now that you have thought hard about how bad actors can impact this technology, what improvements would...**  
  
If you think about this technology being used to break the law, or avoid the consequences of breaking the law, or to be used against certain groups, or to attack the truth or to pit certain groups against each other. If you think about all of that, what improvements would you (want to) make? In the technology? In context? In use?...

**PRIVACY**



**Now that you have thought hard about privacy and data protection, what improvements would you like to make?...**  
  
If you think about this technology invading someone's privacy or collecting personal data and if you think about the way this technology is compliant with prevailing law and mitigates dataprotection risks and concerns. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

**HUMAN VALUES**



**Now that you have thought hard about the impact of your technology on human values, what improvements...**  
  
If you think about the impact of this technology on human values and needs. If you think about how this technology affects the identity of the user, the autonomy of the user (can the users make their own decisions?) and the health and well-being of the user. If you think about all that, what improvement would you (want to) make? In the technology?...

**STAKEHOLDERS**



**Now that you have thought hard about all stakeholders, what improvements would you like to make? List them...**  
  
If you think about all stakeholders of this technology. If you think about stakeholders that are less obvious. If you think about the way certain stakeholders are affected by this technology and if you want to take them into consideration. If you think about all that, what would you (want to) improve? In the technology? In context? In use?...

**DATA**




**Now that you have thought hard about the impact of data on this technology, what improvements would you...**  
  
If you think about the limitations of data. Things like subjectivity, incomplete datasets and so on. If you think about the way new insights are handled. If you think about the sustainability of the collection of data or the data that is collected from the users. If you think about all that, what would you (want to) improve? In the technology? In context?...

**INCLUSIVITY**



**Now that you have thought hard about the inclusivity of the technology, what improvements would you like to...**  
  
If you think about accessibility to this technology. If you think about built in biases or automatic decisions that may be biased. If you think about who is benefitting from this technology and the diversity of the team that creates the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

**TRANSPARENCY**



**Now that you have thought hard about the transparency of this technology, what improvements would you like t...**  
  
If you think about the communication on the way the technology works and the businessmodel. If you think about the explanation on automatic decisions that are made. If you think about complaint procedures and transparency on possible negative effects. If you think about all that, what would you (want to) improve? In the technology? In context?...

**SUSTAINABILITY**



**Now that you have thought hard about the sustainability of this technology, what improvements would you like t...**  
  
If you think about the direct and indirect energy use and the materials that are used in the technology. If you think about the lifespan of the technology and the hidden environmental impact of the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

**FUTURE**



**Impact Improvement: Now that you have thought hard about the future impact of the technology, what...**  
  
If you think about an utopian and a dystopian scenario. If you think about the way this technology can change the world. If you think about the consequences of a different party buying your technology. If you think about all that, what would you (want to) improve? In the technology? In context? In use? ...

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