



Chord Analysis App

Even though composing a musical piece is a creative task, it is governed by rules, many of them specific to particular genres. While it is challenging to compose good original music, it is also hard to “reverse engineer” played music into abstract representations. This could include extracting melodies or chords of a piece or splitting a piece into individual voices.

Although Mozart was allegedly able to transcribe a score of a piece which he heard only once,¹ music analysis is generally tough for humans. Designing an automated analysis tool is therefore not easy, either.

The goal of this project is to create an automated music analysis tool for sampled music. For a start, chords being played in a piece should be determined and converted into an appropriate format. This data could then be used to create a useful app or be refined into a more sophisticated analysis.



Requirements: For this work, you will need some knowledge of music theory. Creative thinking and programming skills are advantageous to successfully work on this topic. The student(s) should be able to work independently!

Interested? Please contact us for more details!

Contact

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¹Articles backing up the claim:

<https://medium.com/world-of-music/the-story-of-allegri-miserere-b4d21656798>
<https://zenmoments.org/allegri-miserere/>.