



**INFORMATICS  
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In Collaboration with

**UNIVERSITY OF WESTMINSTER**

**MusiCAN**

**Music Generation using Creative Adversarial Networks**

A Dissertation by

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## ABSTRACT

Computer creativity has been a topic of interest where discussions of advancements of AI have been concerned. This topic is further explored in through the aspect of music generation in this text. When speaking of music generation through AI the most effective i.e., the approach that yields the most promising results in terms of creativity would be unsupervised approaches.

Spearheading the departments of music generation would be GANs. Creative Adversarial Networks (CANs) have been based off GANs and have shown promising results in the field of art.

The author therefore will put CANs to the test on how well music generation can be attempted through the application of CANs in MusiCAN.

**Keywords:** Music generation, Generative Adversarial Networks, Creative Adversarial Networks

### Project Descriptors:

- Computing methodologies → Artificial Intelligence → Learning → Concept Learning
- Computer Application → Arts and humanities → Performing Arts