

# **AI in Music production**

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## **Abstract:**

Audio production, typically involving the use of tools such as equalizers and reverberators, can be challenging for non-expert users due to the intricate parameters inherent in these tools' interfaces. Our research is towards building an end-to-end neural audio effects model based on the temporal convolutional network architecture which can process both equalization and reverberation based on descriptive terms sourced from a crowdsourced vocabulary of word labels for audio effects, enabling users to communicate their audio production objectives with ease. This approach enables users to express their audio production objectives in the descriptive language (e.g., "bright," "muddy," "large-room") rather than relying on technical terminology that may not be intuitive to untrained users.