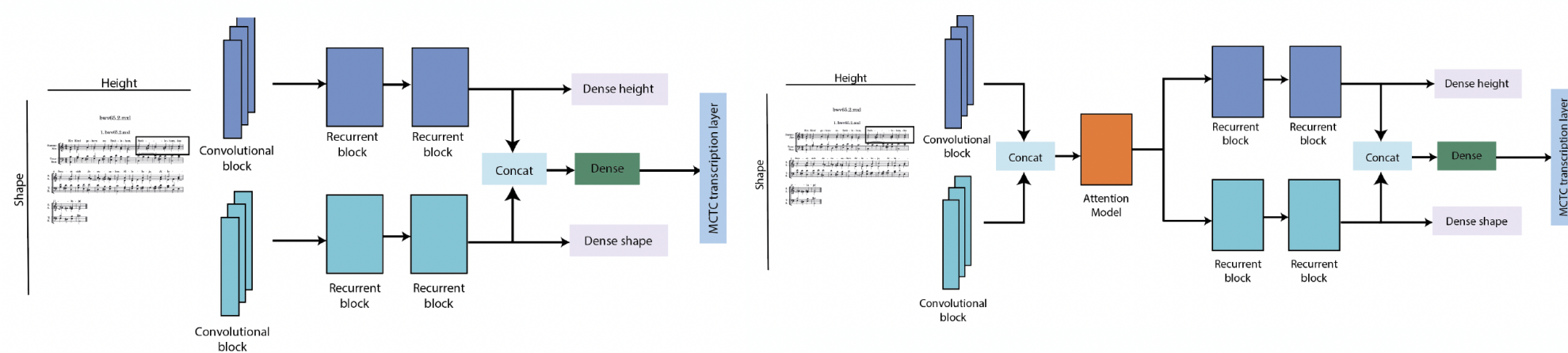


# Optical Music Recognition

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## Finding

We use instance segmentation for entire sheet music images. It provides an accurate representation of musical symbols, especially in dense scores with overlapping symbols, and artefacts. Further we want to explore with RPN anchor ratio, increasing dataset size, and augmenting data with noise and artefacts for real-world applicability.

## Question

OMR poses challenges for computer vision, similar to text recognition. In music scores, we propose a unified model with hybrid attention to segment staves and recognise musical symbols. Processes each stave iteratively, using an encoder for feature maps, an attention module for vertical weighted mask generation, and a decoder for symbol recognition.