

NeuralMidiFx

A Wrapper/Template for Deploying Neural Networks as VST3 Plugins

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1 What is NeuralMidiFx?

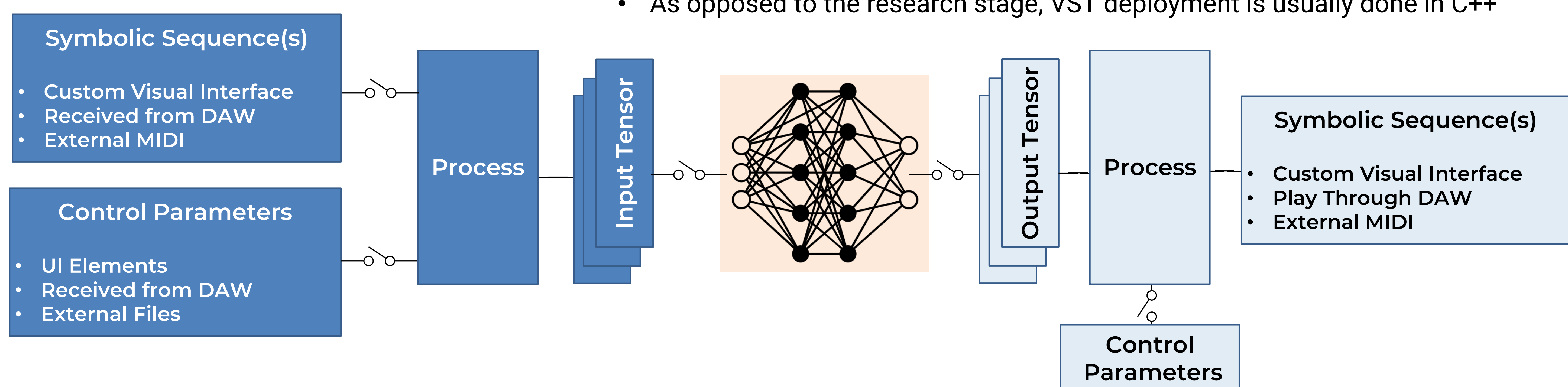
- A **VST3 Wrapper/Template** that streamlines the deployment of NN-based **generative** systems of **symbolic music**
- Targeted for **researchers** working on generative symbolic music

2 Motivation

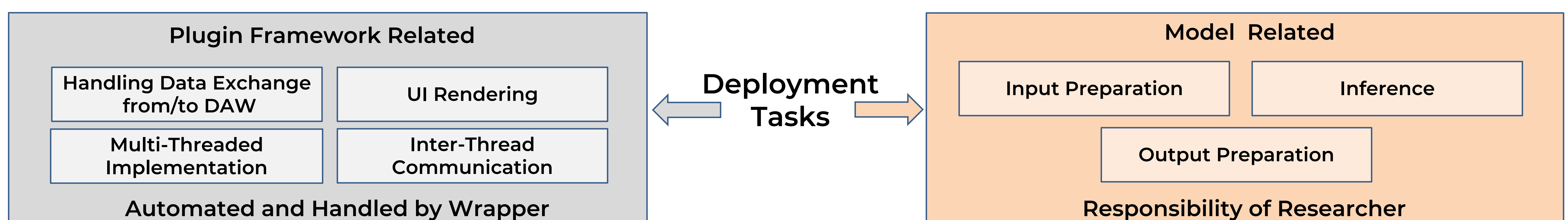
- Enhance accessibility of research to a broader audience.
- Enable and improve evaluation of systems in real-world production/composition settings

3 Why is VST deployment challenging?

- Designing UI and interacting with DAW requires knowledge of frameworks like JUCE
- Multi-threaded design is essential and extremely complex
- As opposed to the research stage, VST deployment is usually done in C++



4 What can be automated?



5 Architecture

