Timeline Based Animatronics

Please install the following software prior to the workshop. Although in the beginners workshop we won’t touch the Midi2Serial and Serial2Servo software it is required as we use it as a data bridge in the first case and need to make some little adjustments in the second case.

# Digital Audio Workstation

## Reaper

We will use this to record and play back the movement.

<https://www.reaper.fm/download.php>

# Midi2Serial

Choose between the following two possibilities:

## Pure Data

Pure Data is an is an open source visual programming language for multimedia. Please download the vanilla version. Some externals will be needed. We will explain this during the workshop. With this you type function names in little boxes and connect them with wires.

<https://puredata.info/downloads>

## Processing

Processing is a Java based programming language and integrated development environment for visual arts. Here you really write code.

# Serial2Servo

## Arduino IDE

This software is used to program the Arduinos and transfer the code to them.

<https://www.arduino.cc/en/software>