



USING

MAKEYMAKEY

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KEY-TAR

Keyboard + Guitar = Keytar

For this device, we utilized Makey Makey, wires, cardboard, and foil to make a touch-sensitive interface for the keys, allowing us to play notes and chords with both hands. By programming it with Scratch, we can customize the sounds and effects produced by the Keytar



[Watch the video here!](#)

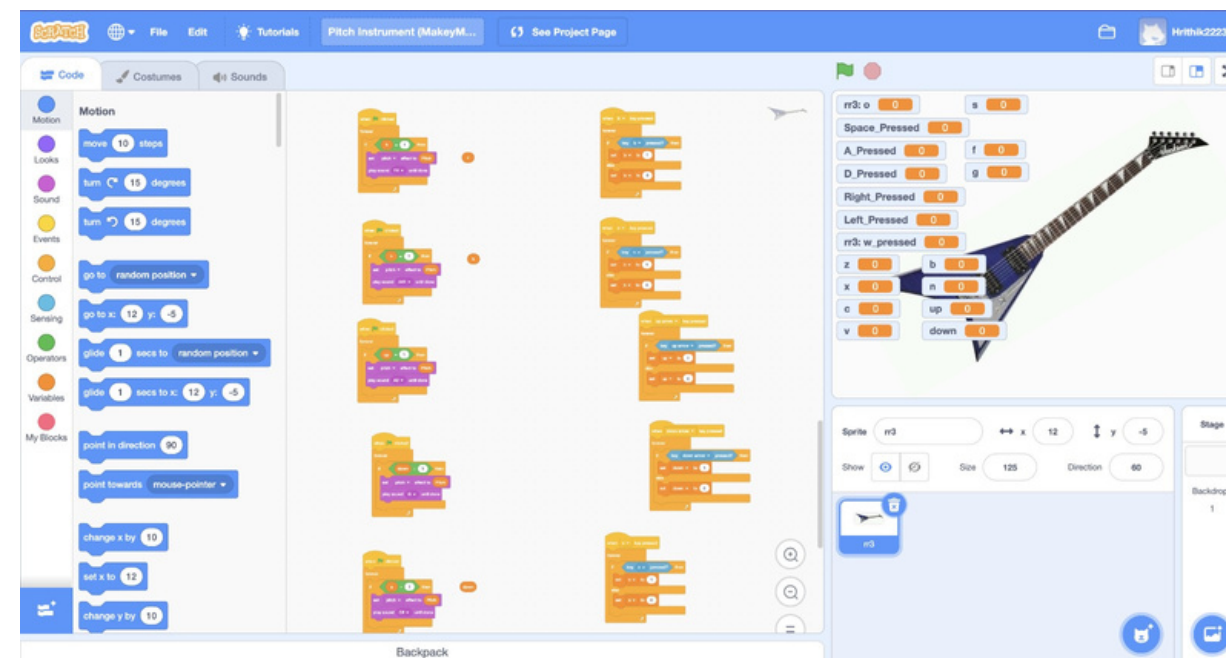
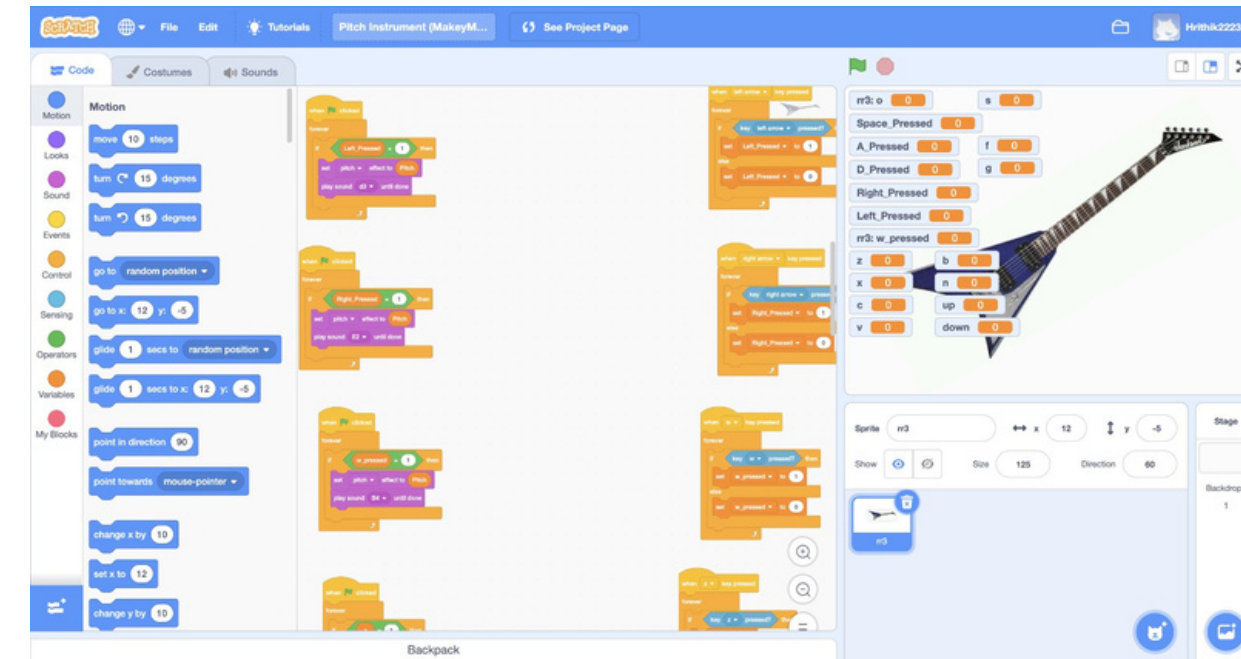
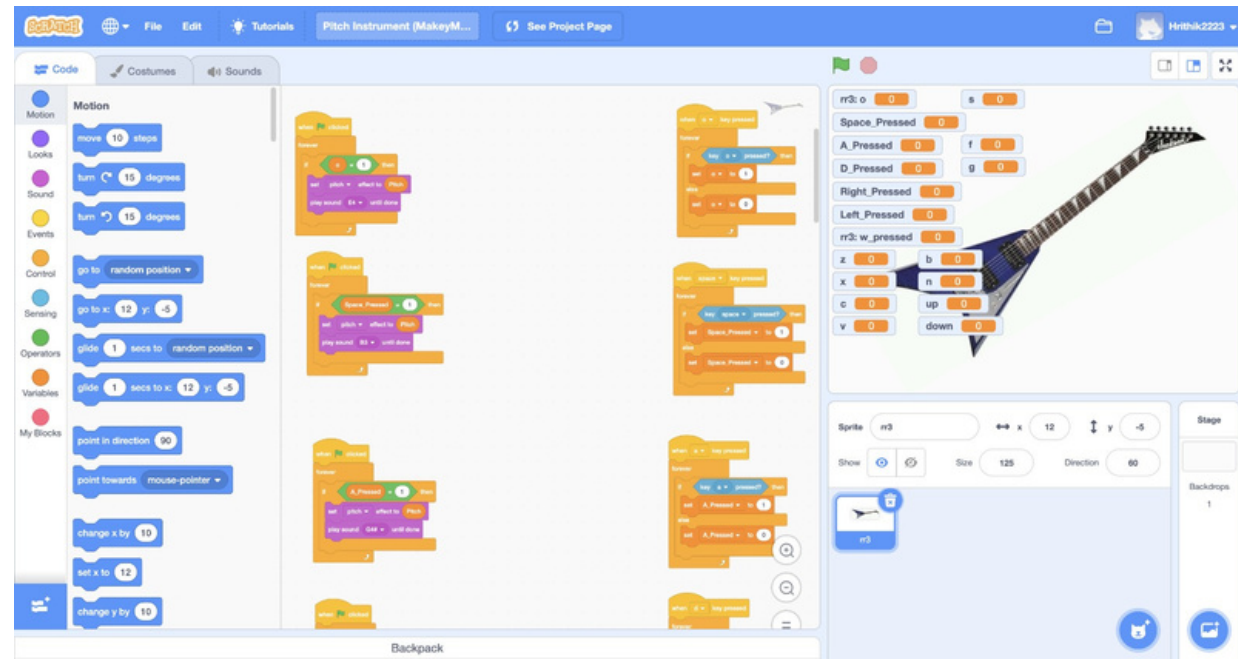
THE CIRCUIT

For the circuit, we first added different sounds of the strings for the key-tar to scratch and then assigned them to different keys of the keyboard so that we can connect them through makeymakey.



We connected wires from makeymakey to the foil (conductor) that we used in place of the keys in the sequence required. We also added lights that blink when the keys are triggered.

SCRATCH CODE



DIFFICULTIES & LIMITATIONS

- Creating a durable and sturdy cardboard structure that can withstand the pressure and is comfortable to play
 - Making accurate calibration of the interface for consistent note and chord play
 - Troubleshooting technical issues such as connectivity problems between the Makeymakey board and the computer, or programming errors in Scratch
 - Identifying the correct placement and orientation of the keys on the Keytar
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**THANK
YOU**