

Project Title: The Beep Boop 9000

Team Members: Tyler Motes, Brandon Motes, Matt Johnston

Our project will be a full audio suite consisting of a looper, instrument conversion, and a learning synthesizer. The looper will record a segment of music, store it in memory, and play it back, allowing for a musician to play other music on top of the recording. The instrument conversion feature will record a segment of music, store it in memory, and modify the overtones of the sound to emulate a different instrument. Finally, our synthesizer will analyze a recording from a new instrument and allow the user to reproduce the style of the sound using a different instrument.