Bao Nguyen

Andrew Stanton

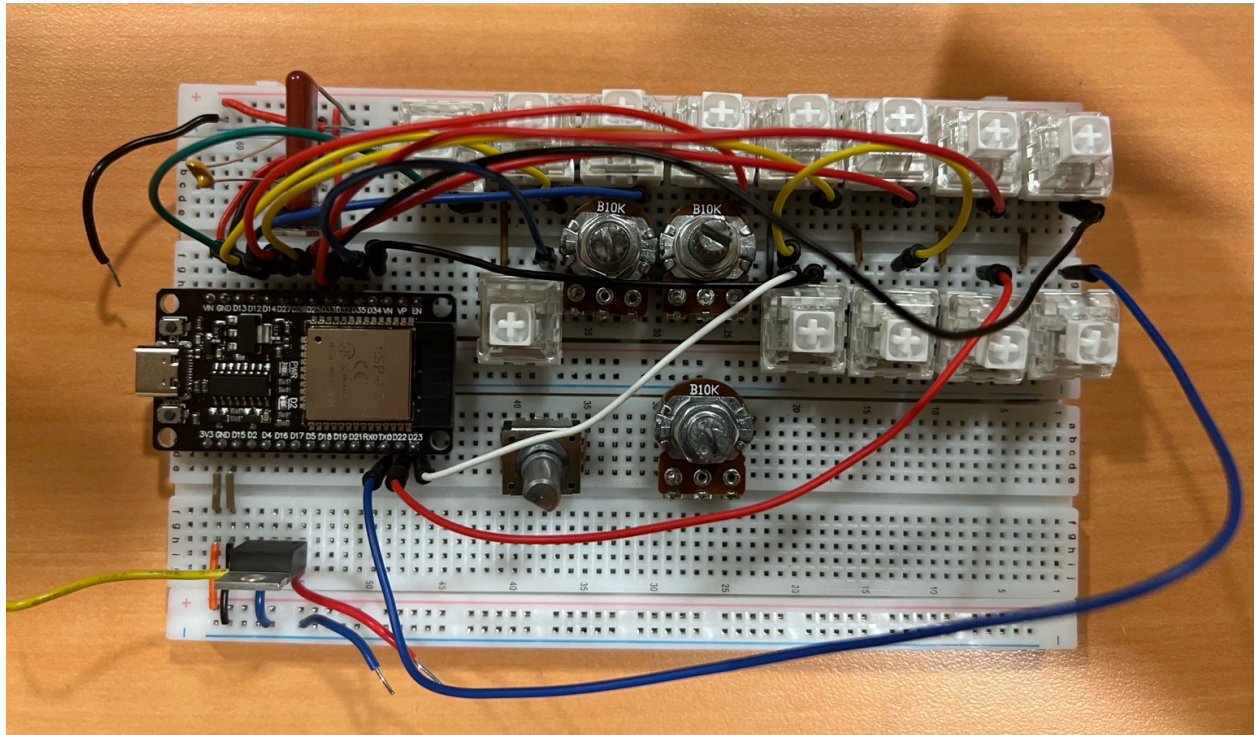Christian Mickelson

Ethan Budde

Status Report: CARL Drum Machine

The CARL drum machine MVP(Minimum Viable Product) is on-track for completion. There is a basic breadboard prototype for the controls and power supply, while the development boards for the audio components were delayed in shipping. They should arrive by the end of the week. The schematic and PCB layout are also going well. All necessary components are present and work can begin on polishing. The firmware is going very well, with a good framework and a number of abstractions already in place. Now that the hardware is well defined, the "glue" can be coded to tie the framework together with the hardware. Even with reasonable debug time, there should be time for extra features, such as multiple voices/polyphony.

Breadboard prototype #1