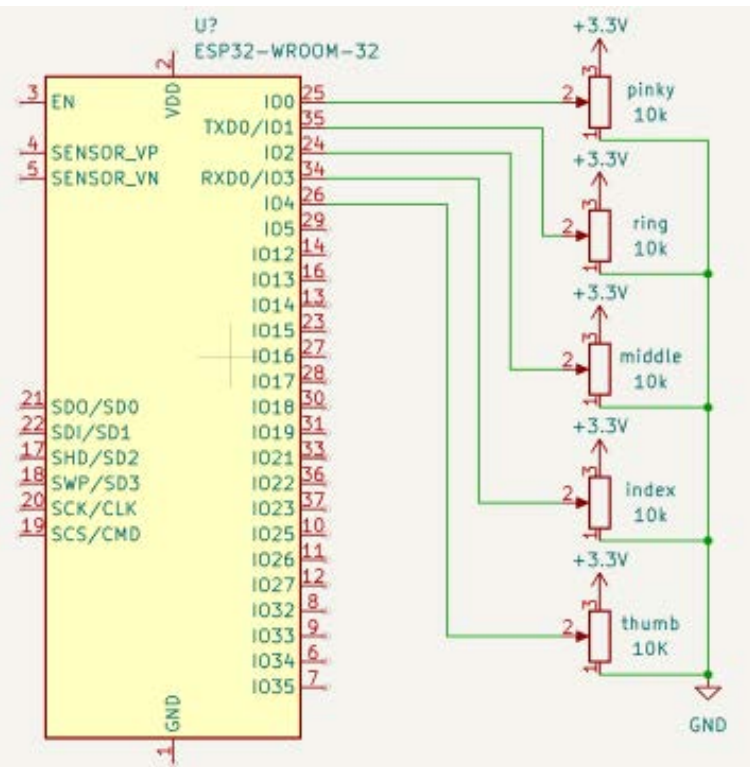# Relevant Projects

SLING
Portable sign language interpreter. Utilises text to speech and Google Translate API to improve communication for the deaf
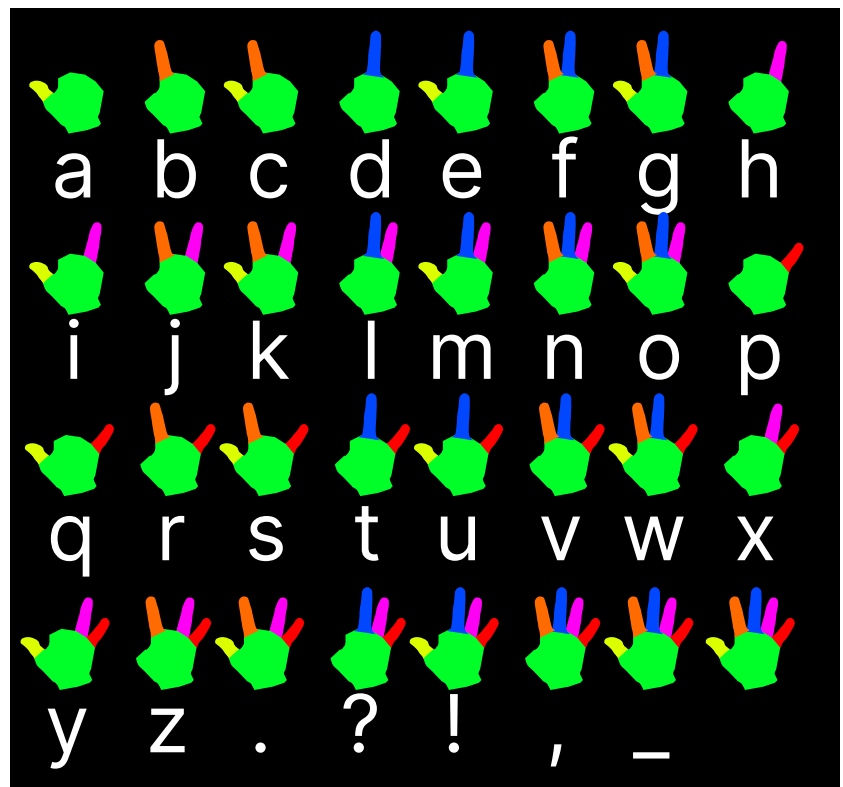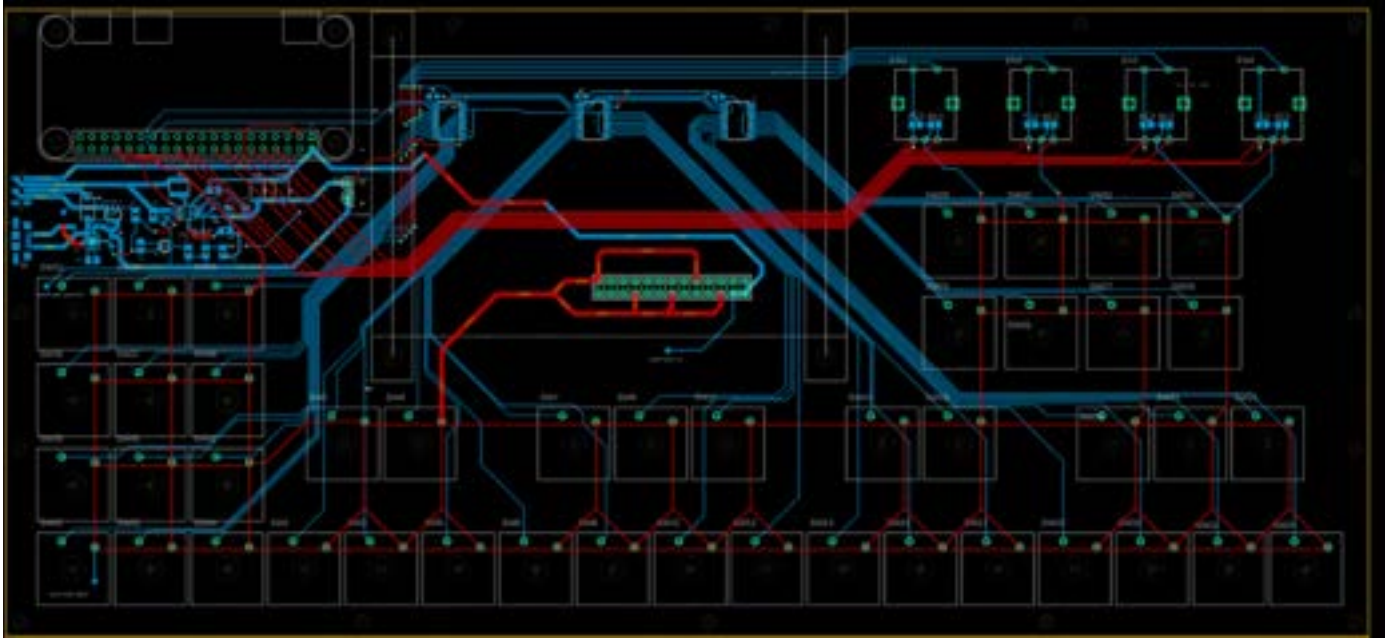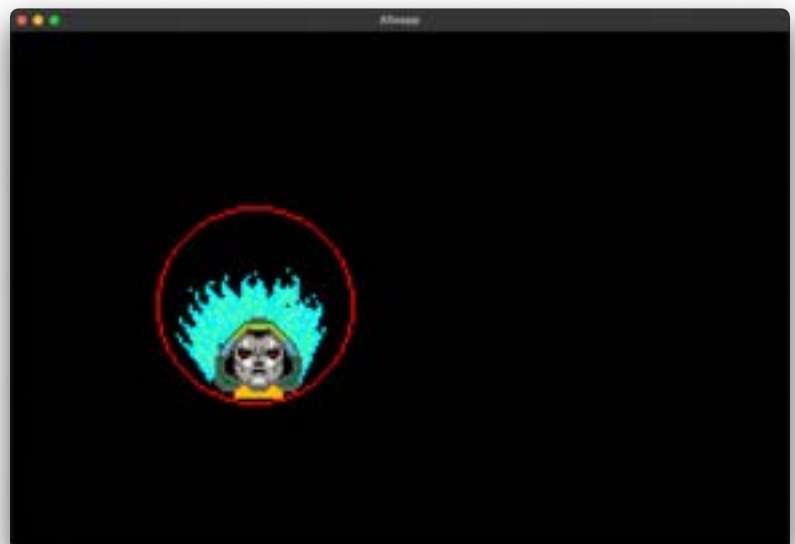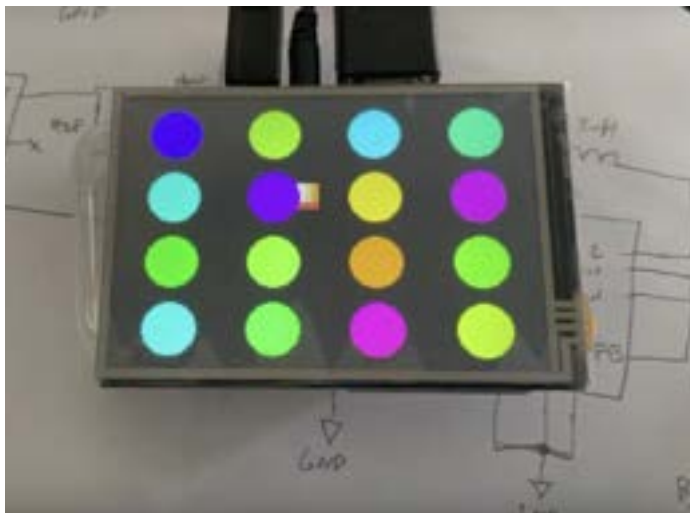

Spring Holder

Finger Mount

Hand Mount

Relevant Projects

Box

Open source groovebox (portable DAW).
Wrote engine in OpenGL + Gamma audio
library, built PCB with custom battery
management system. Deployed on
embedded debian (Radxa Zero).
Wrote custom i2c firmware for CAT9555
GPIO expander (bottom)

Relevant Projects

Teensy-Juno
Wrote DSP for synth emulation of the Juno-106 synthesizer.
Implemented polyphonic 8 voice architecture on the Teensy 4.1 microcontroller