Journal #1

Louis Harshman - WaveSpeak

Goals

* Begin 3D Model/CAD design.
* Assist someone in a small but meaningful way with their project.
* Finish blog section
* Get calculator front plate drawn up.
* Set up website with GitHub pages.
* Help people I am supporting.

**Research Goal**: Learn about how to handle keyboard circuitry.

My Research and What I learned

I decided to research more into keyboard technology for my button backplane. I still plan on using a PCB with buttons to handle user input with tactility. This following video helped me learn how to do PCB design in KiCad. <https://youtu.be/JqpBKuEVinw?si=k0k1UDmzw2G0xcvK>

I learned that I probably would need to consider a programmable micro controller or sacrifice an existing keyboard for the electronics handling the button circuits.

<https://golem.hu/guide/controllers/>

Accomplishments

The [www.wavespeak.org](http://www.wavespeak.org) website is up and running on GitHub pages. I think it turned out pretty good and after getting a 3D Model fledged out, I think the landing page looks a lot cooler.

The CAD model is reaching a point where I’m waiting for my display to come in so I can measure and make sure my tolerances are correct.



