



**strange little bits i call home
(also known as a monday)**

Woven + folded modular synthesizer

Marissa Renteria - Fabricademy 2025-26

synthesizers

e-textiles



Embroidered Computer, Irene
Posch



A synth!

"home"



Earthrise, December 24, 1968,
taken by Apollo 8 astronaut
William Anders



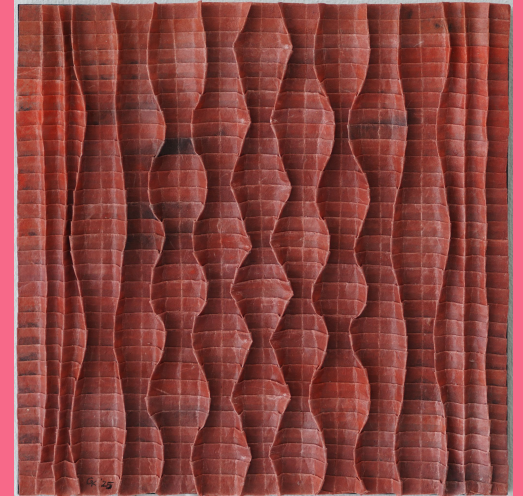
A Fabric that Remembers,
Unstable Design Lab

some inspirations

Encaustic on paper, origami,
Goran Konjevod



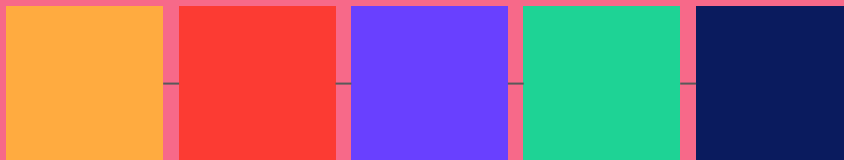
*There once was a strange
little planet called Earth,*
Sneha Ganguly



project idea

Creating an open, modular system for translating datasets into playable textile structures

- Demonstrated through a series of small, hand-fabricated **woven and folded samples**
- **Can be connected, recreated, and personalized** using accessible tools
- Powered by nature?
- Documentation through website + performance + zine



*Woven Sample -
1 Synth Effect (or
"patch")*

*Folded Sample -
2nd Synth Effect*

*Woven Sample -
3rd Synth Effect*

*Folded Sample -
4th Synth Effect*

*Woven Sample -
5th Synth Effect*



what

- **Datasets** (environmental, historical, personal) **serve as input to create woven and folded patterns**
- The folds or weavings are the physical embodiment of **rules that translate datasets into structure** - **sound** is the **behavior of that structure**
- System acts like a language; the **datasets are the “stories” anyone can tell using this language**

who

- Designers, makers, artists, and those seeking their own sense of “home”

where

- Portable, can exist anywhere (maybe even on clothes?)

how

- Combines paper-making, electronics, parametric design, interactive design

rough timeline

jan

- Project planning
- Study up on synth making
 - Warp loom, weave regularly
 - Rapid prototyping
- Try placing on garments to see if that's a good direction
- Go out to Palomar Mountain to see a good place to play the synth once it's done

feb

- Refine scope (5-6 samples?)
- Keep working on finalizing samples
 - Making, testing, failing, iterating
- Consult regularly with mentor(s)

mar

- Finalize samples
 - Final tests
- Photograph final samples
- Go up to Palomar Mountain to film and play music
 - Finalize story and writing/illustrating zine

