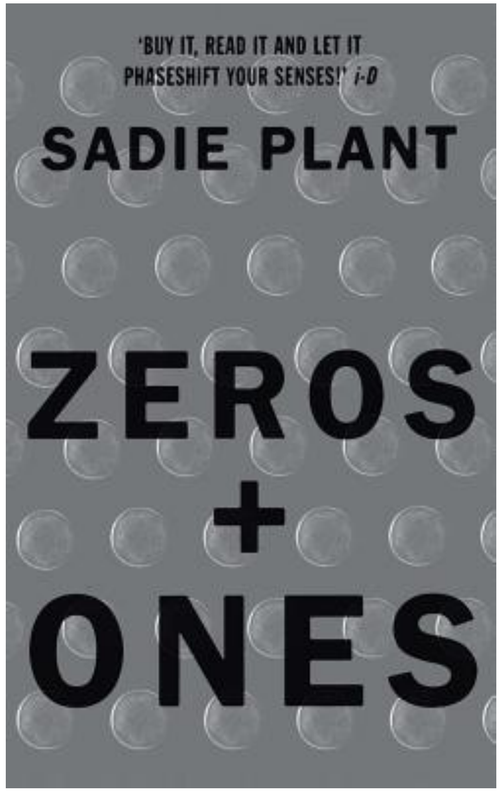


When Computers Were Woman

Julia Hahnl

Diploma Progress

Research





The Computer Girls

BY LOIS MANDEL

A trainee gets $8,000 a year ...a girl "senior systems analyst" gets $20,000—and up! Maybe it's time to investigate....

Ann Richardson, IBM systems engineer, designs a bridge via computer. Above (left) she checks her facts with fellow systems engineer, Marvin V. Fuchs. Right, she feeds facts into the computer. Below, Ann demonstrates on a viewing screen how her facts designed the bridge, and makes changes with a "light pen."

Twenty years ago, a girl could be a secretary, a school teacher . . . maybe a librarian, a social worker or a nurse. If she was really ambitious, she could go into the professions and compete with men . . . usually working harder and longer to earn less pay for the same job.

Now have come the big, dazzling computers—and a whole new kind of work for women: programming. Telling the miracle machines what to do and how to do it. Anything from predicting the weather to sending out billing notices from the local department store.

And if it doesn't sound like woman's work—well, it just is.

("I had this idea I'd be standing at a big machine and pressing buttons all day long," says a girl who programs for a Los Angeles bank. I couldn't have been further off the track. I figure out how the computer can solve a problem, and then instruct the machine to do it."

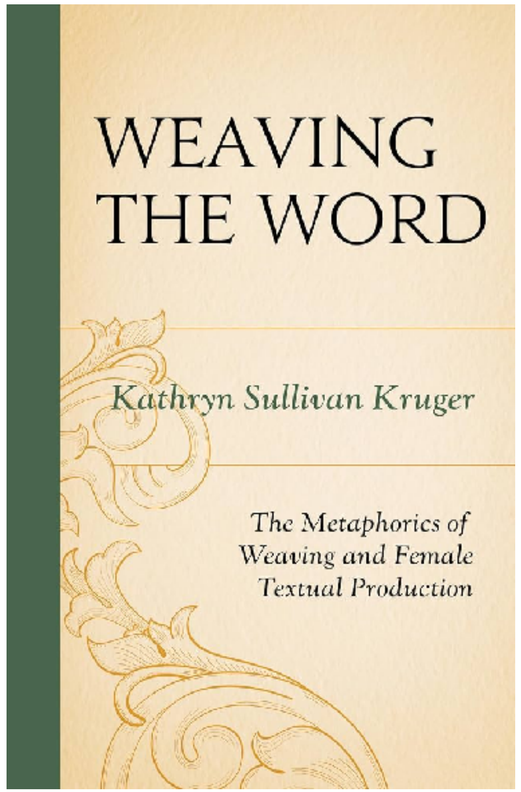
"It's just like planning a dinner," explains Dr. Grace Hopper, now a staff scientist in systems programming for Univac. (She helped develop the first electronic digital computer, the Eniac, in 1946.) "You have to plan ahead and schedule everything so it's ready when you need it. Programming requires patience and the ability to handle detail. Women are 'naturals' at computer programming."

What she's talking about is *aptitude*—the one most important quality a girl needs to become a programmer. She also needs a keen, logical mind. And if that zeroes out the old Billie Burke-Gracie Allen image of femininity, it's about time, because this is the age of the Computer Girls. There are twenty thousand of them in the United *(cont. on page 54)*

Photos by Henry Grossman. Dress by Gino Charles.

52

cosmopolitan 1967



…. word text derives from the Latin texere, meaning to weave

….. She argues that recovering women's history requires more than finding forgotten women.

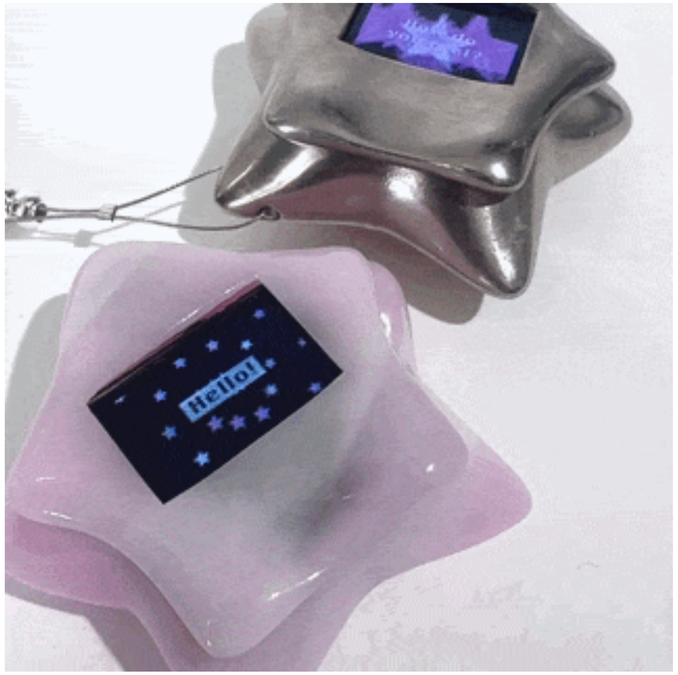
…..Kruger analyzes female mythological figures who use weaving:

- Arachne, who weaves images exposing the wrongdoing of the gods, using her textile to challenge authority.
- Philomela, whose tongue is cut out and who communicates the violence committed against her through a woven textile.
- In Homer’s Odyssey, Penelope waits twenty years for her husband. During his absence, many suitors pressure her to remarry. To delay them, she promises to choose a new husband once she finishes weaving a burial shroud for Odysseus’s father. Every day she weaves, and every night she secretly unweaves her work. She continues this for three years until her trick is discovered.

Cyberdecks

A cyberdeck is a DIY, portable computer, usually built with a Raspberry Pi. The term originates from William Gibson’s 1984 cyberpunk novel Neuromancer
The Cyberdeck trend is about reclaiming technology through DIY, creativity, and personal expression, challenging the idea that computers have to be masculine, standardized, or purely functional. By combining traditionally feminine aesthetics and craft with electronics and programming, they make technology more playful, accessible, and personal







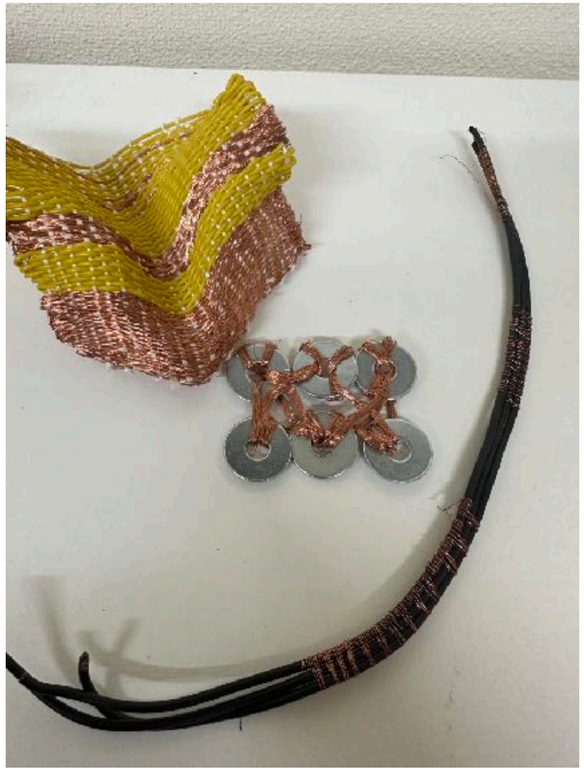




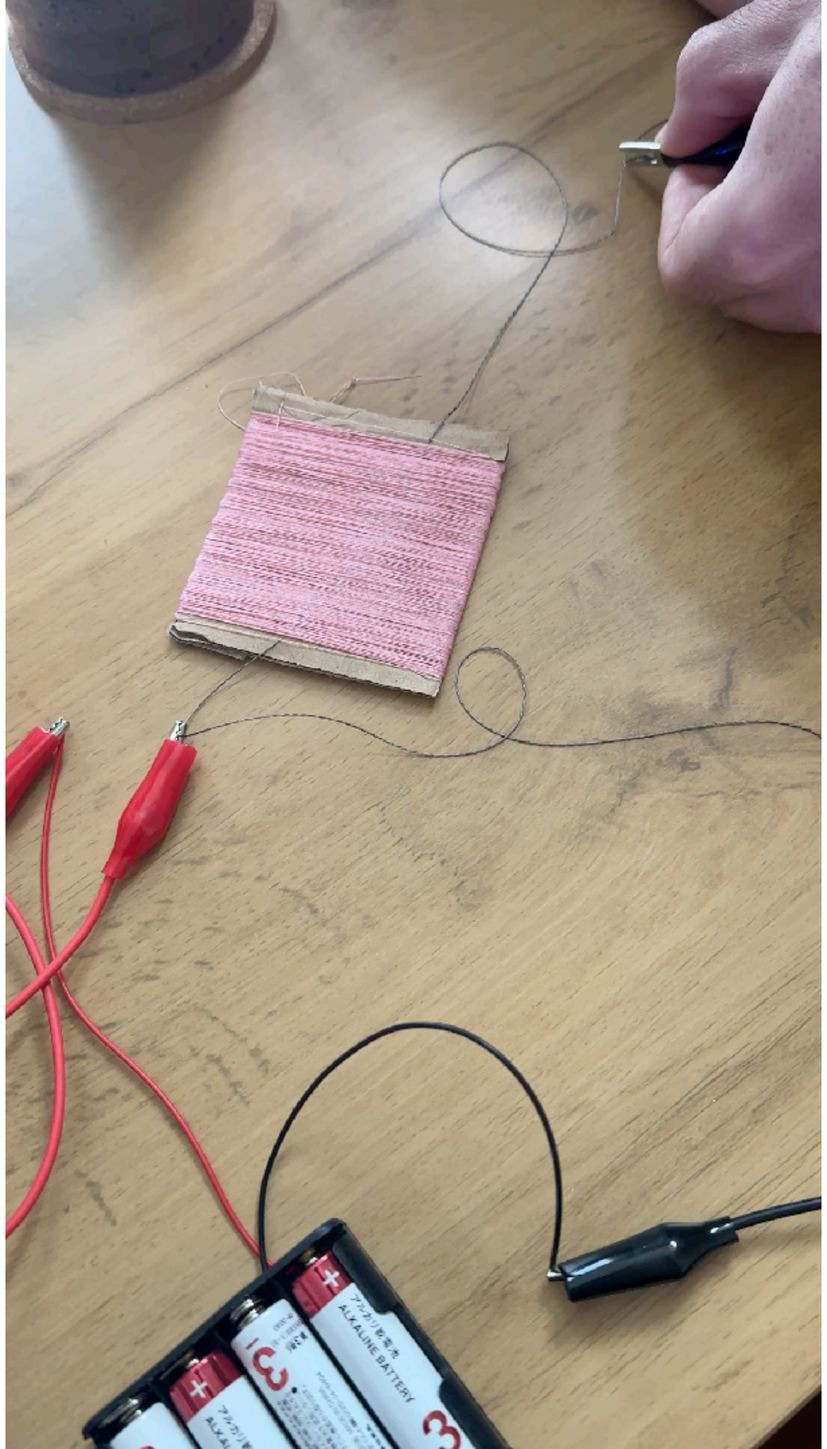


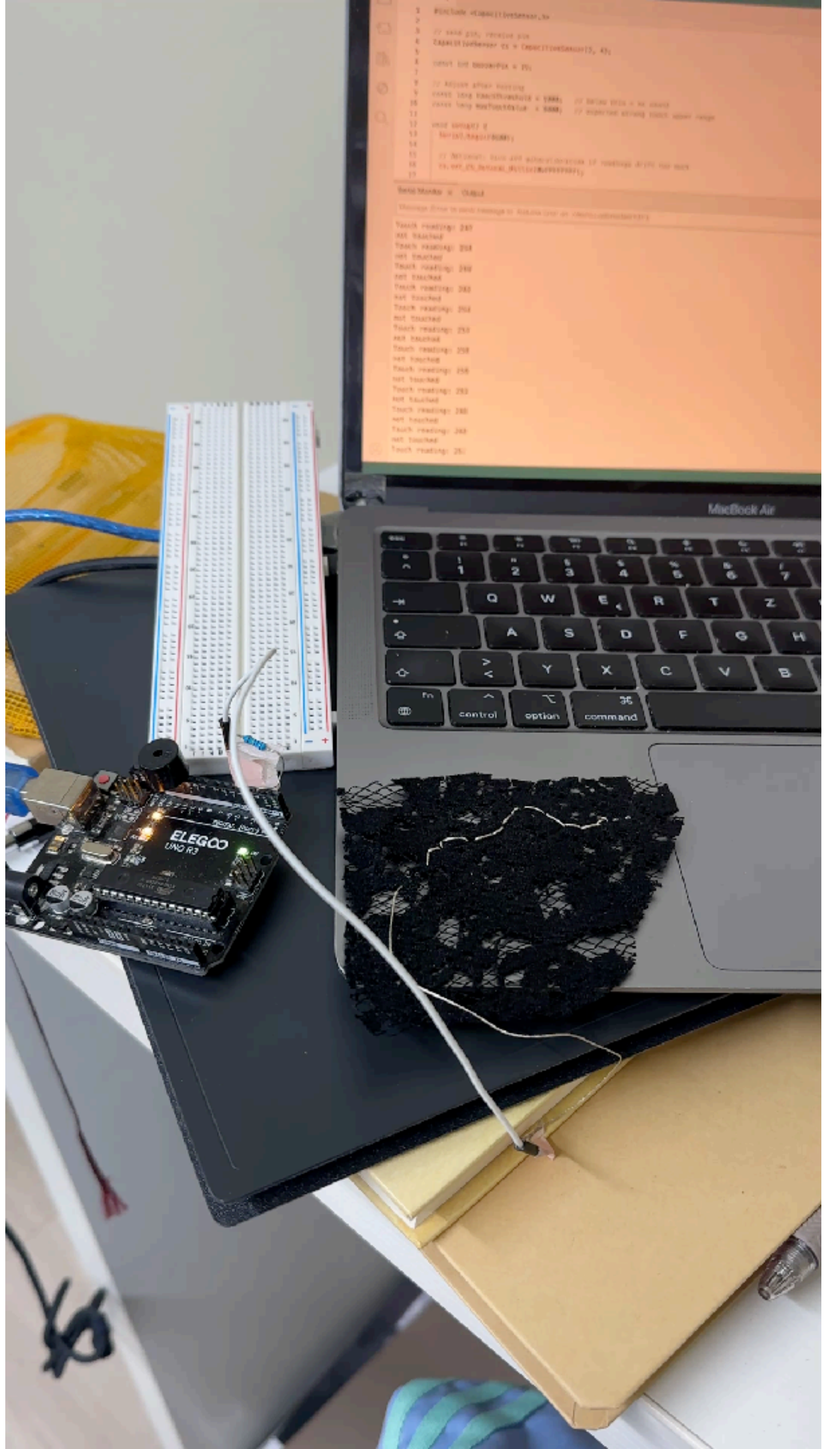
Material Experiments

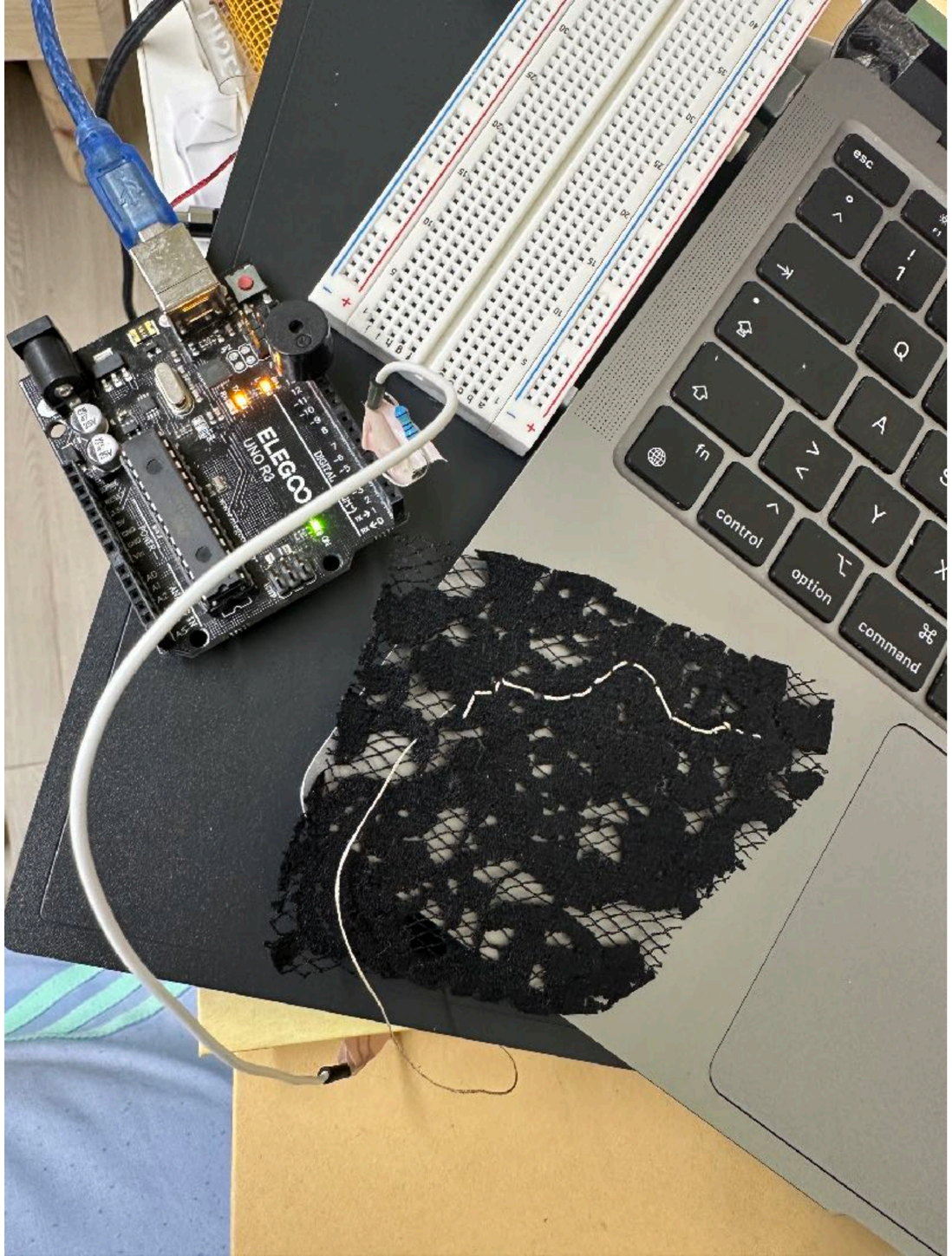


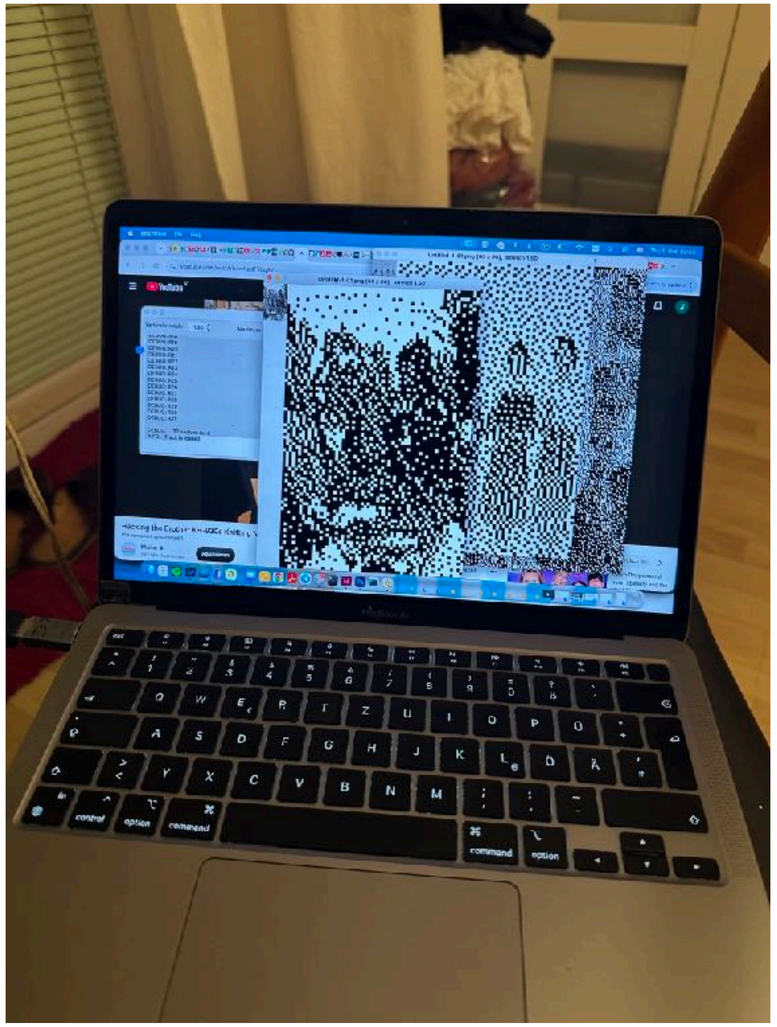
Thermo chronic yarn + conductive yarn




MacBook Air
ELEGOO
UNO R3
control
option
command


ELEGOO
UNO R3
esc
control
option
command







Datacenter Trip: Kronstorf



2026



2025



2021



2011

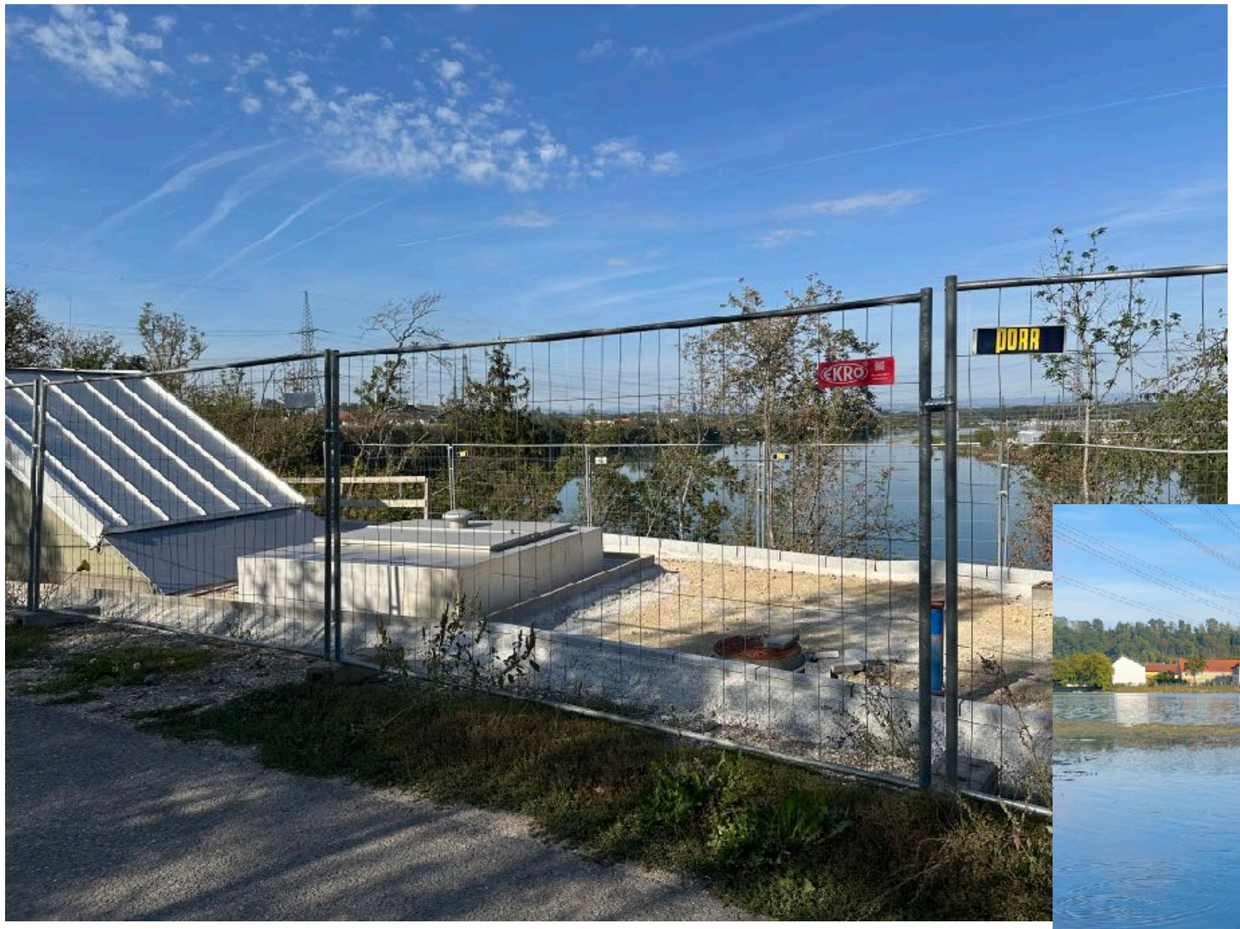

BAUSTELLE

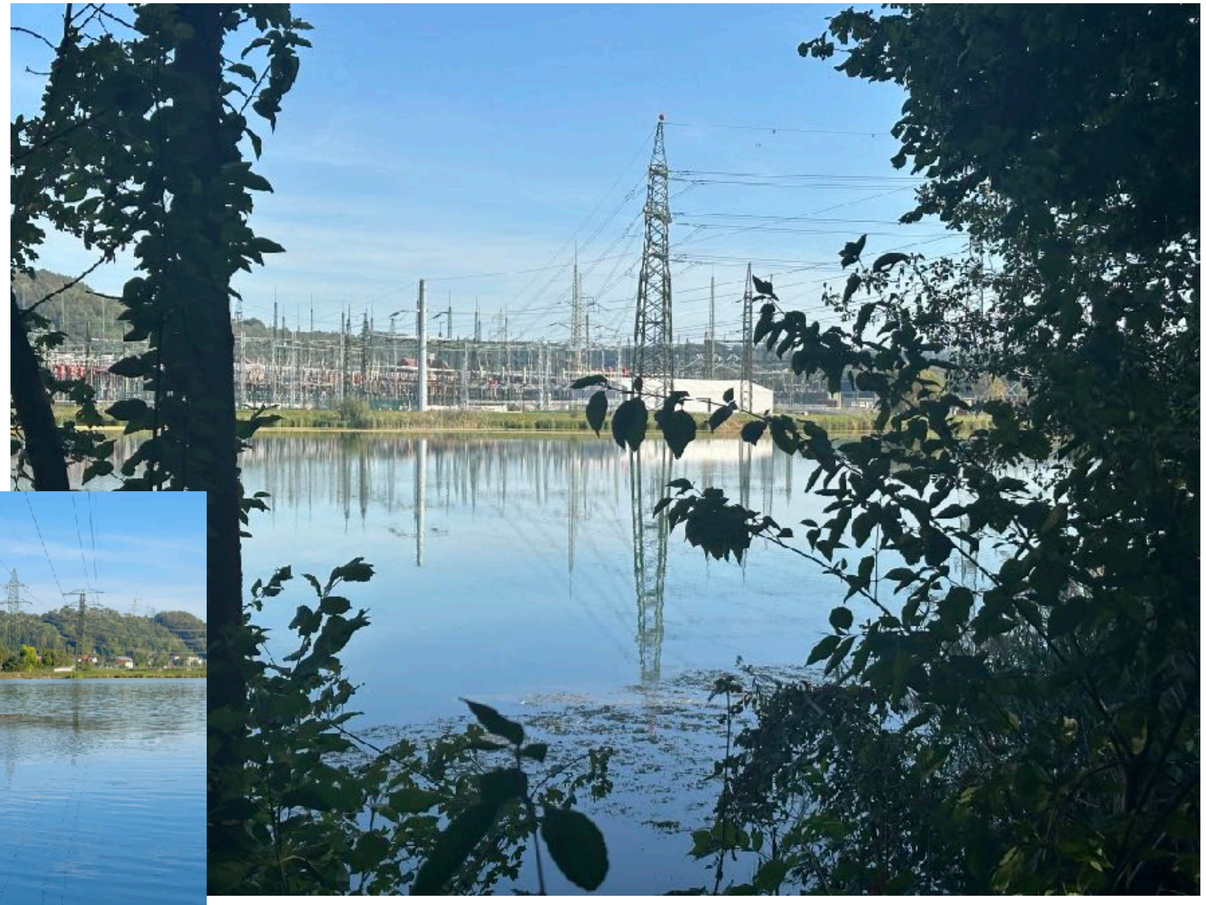

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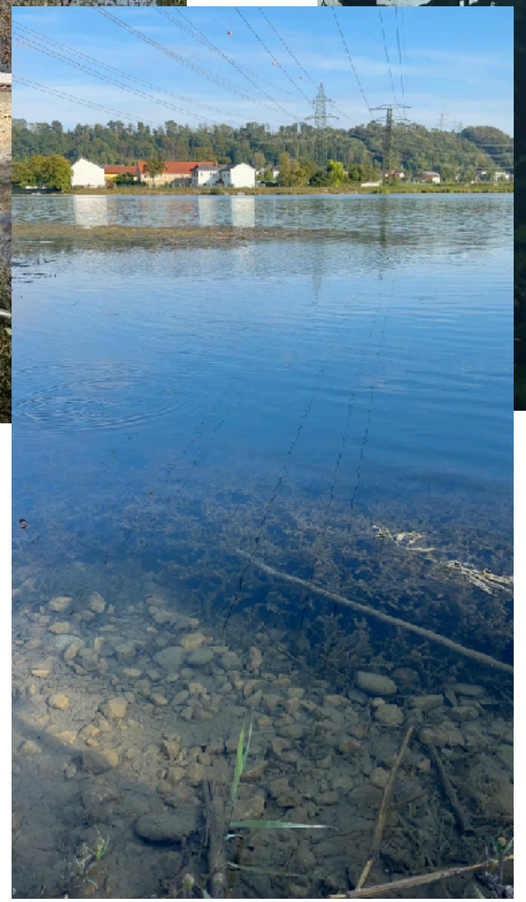



ERRICHTUNG EINES RECHENZENTRUMS
Bauadresse: Europastrasse 1, A-4484 Kronstorf | Baubeginn und geplante Bauzeit 15.01.2026 – 31.12.2027
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TSL Austria GmbH
Suir Engineering Austria GmbH
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WEITERE PARTNER
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Berneggor GmbH
Felbermayr Transport und
Hebetechnik GmbH & Co KG
Siemens Aktiengesellschaft
Österreich
Felix Mitter Bau GmbH
ASAMER Kies- und
Betonwerke GmbH
TIT Generalunternehmer &
Industriebau GmbH


· Quality
· Safety
· Teamwork
· Progress
ONE TEAM - ONE SITE











2021

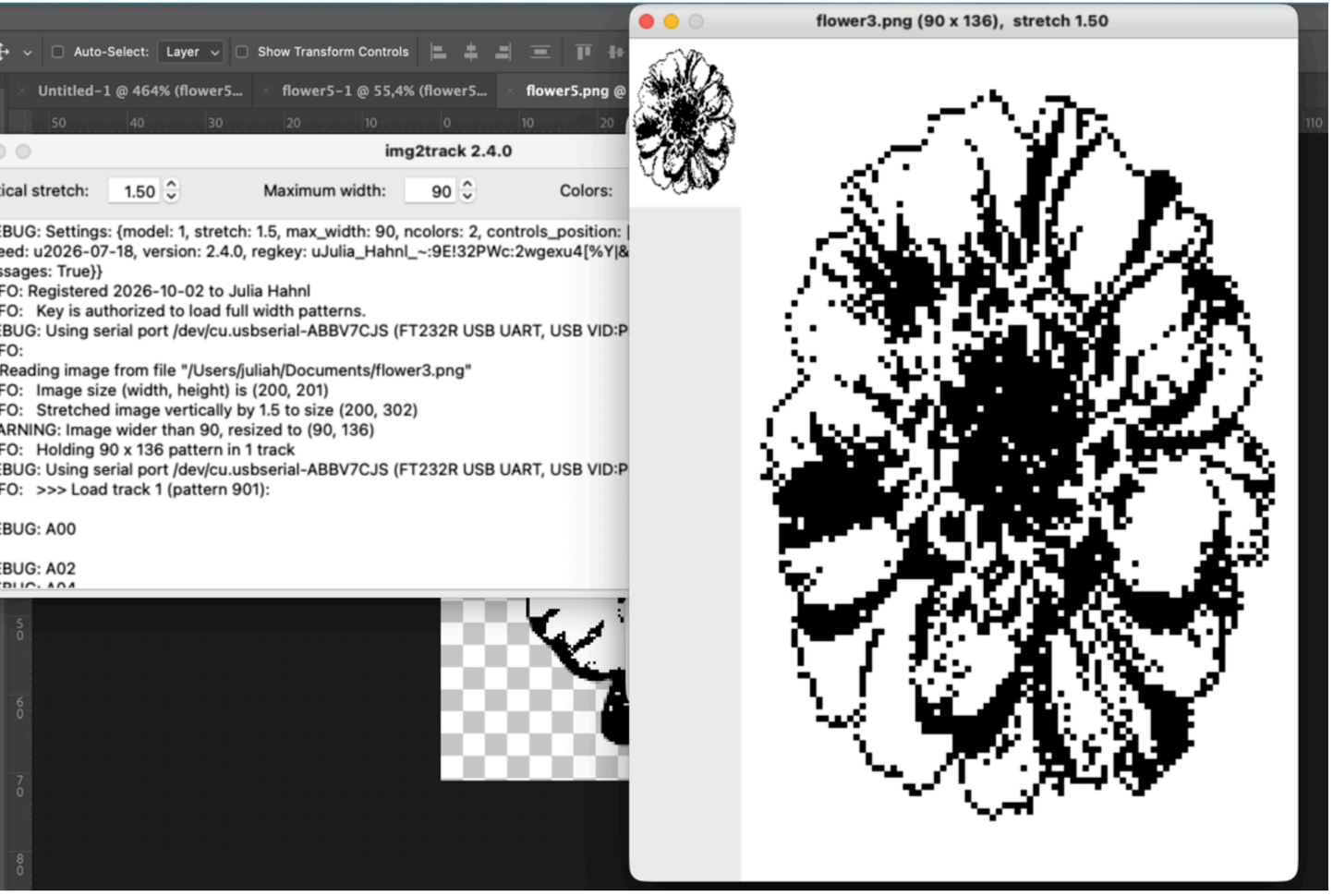

BLUMEN zum
DAHLIEN


KASSA
BLUMEN zum SELBSTPFLÜCKEN
DAHLIEN
ZINNIEN
SONNENBLUME







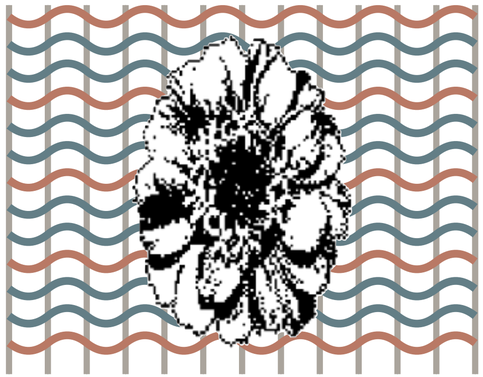

Auto-Select: Layer
Show Transform Controls
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flower5-1 @ 55,4% (flower5...
flower5.png @
img2track 2.4.0
ical stretch: 1.50
Maximum width: 90
Colors:
EBUG: Settings: {model: 1, stretch: 1.5, max_width: 90, ncolors: 2, controls_position:
eed: u2026-07-18, version: 2.4.0, regkey: uJulia_Hahnl_~:9E!32PWc:2wgexu4[%Y|&
ssages: True}}
FO: Registered 2026-10-02 to Julia Hahnl
FO: Key is authorized to load full width patterns.
EBUG: Using serial port /dev/cu.usbserial-ABBV7CJS (FT232R USB UART, USB VID:P
FO:
Reading image from file "/Users/juliah/Documents/flower3.png"
FO: Image size (width, height) is (200, 201)
FO: Stretched image vertically by 1.5 to size (200, 302)
ARNING: Image wider than 90, resized to (90, 136)
FO: Holding 90 x 136 pattern in 1 track
EBUG: Using serial port /dev/cu.usbserial-ABBV7CJS (FT232R USB UART, USB VID:P
FO: >>> Load track 1 (pattern 901):
EBUG: A00
EBUG: A02
flower3.png (90 x 136), stretch 1.50

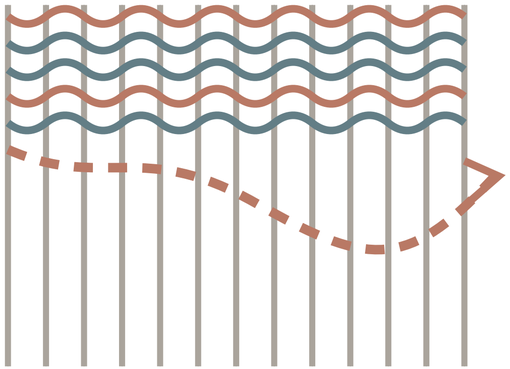


Next steps

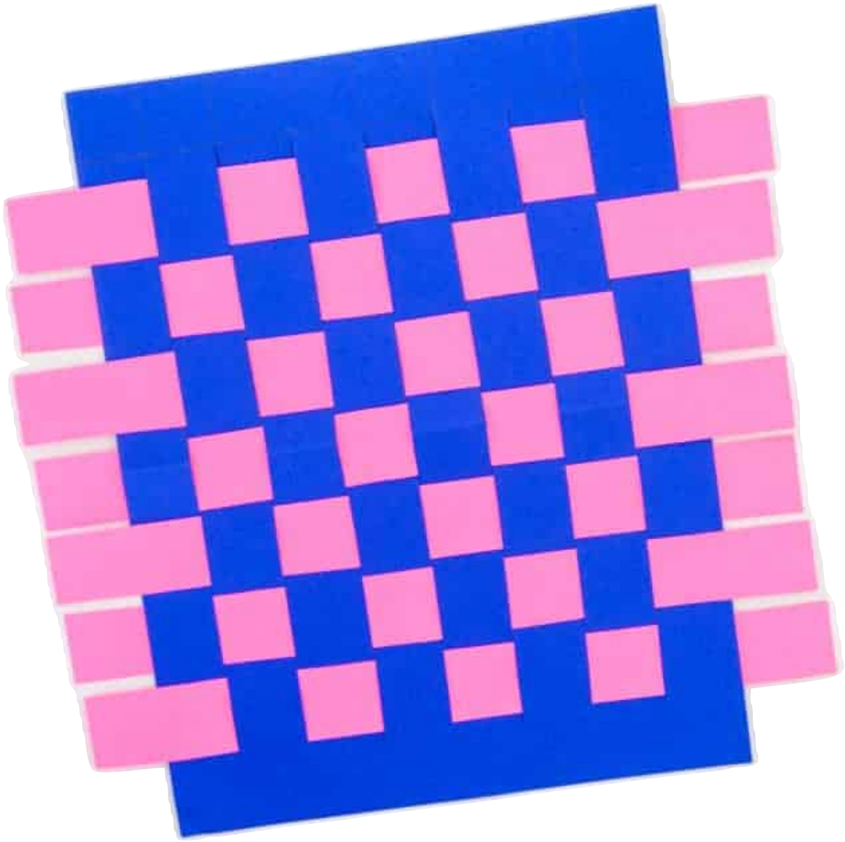
- I want to write ! Be clearer with the concept and write down questions
- Reflect datacenter input (coding as a craft, creating independent systems)
- Writing Ebru in 1-2 weeks, when my concept is clearer ?
- Contacting Textiles Zentrum Haslach

Reference to Penelope : weave unweave





Weaving with images and text (paper)





Sadie Plant shows how Ada Lovelace’s footnotes became more influential than the original text, challenging the idea of a single main author. She connects this to hypertext and the internet, where knowledge is built through networks of links rather than fixed structures. Like weaving, knowledge emerges from many interconnected threads, people, and ideas.