SYNTETISK STEMMEDESIGN & OMSORGSTEKNOLOGI

En forskningsmæssig & personlig odyssé :-)

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2 KASKETTER,

1 OPLÆG

LEKTOR I INTERAKTIONS DESIGN

FAR TIL DATTER MED SATB2 ASSOCIERET SYNDROM

VI STARTER

MED DESIGN

Design

"Everyone designs who devises courses of action aimed at **changing existing situations into preferred ones**."

Simon, 1969, 'Sciences of the artificial'

"Design is that area of human experience, skill and knowledge which is concerned with **man's ability to mould his environment** to suit his **material** and **spiritual needs.**"

Archer, 1973, 'The need for design education'

"To design is to create something **new**.
Design is **not the same as problem solving** in the mathematical and logical sense."

Löwgren & Stolterman, 2004, 'Thoughtful Interaction Design'

"**Wicked** problem."

Rittel & Weber, 1973

"No longer associated simply with objects and appearances, design is increasingly understood in a much wider sense as the **human capacity to plan and produce desired outcomes**."

Mau, 2007

“To design digital artefacts is to **design people’s lives.**

Löwgren & Stolterman. *Thoughtful Interaction Design,* 2007, p. 2

MENNESKER

DIGITAL

TEKNOLOGI

KONTEKST

AIR LAB

Affective Interactions & Relations

AIR Lab explores the **affective and emotional aspects** of **living with** digital and interactive technologies, and how affective interactions can **change our relations** to the **world**, **each other** and **ourselves**.

AIR LAB

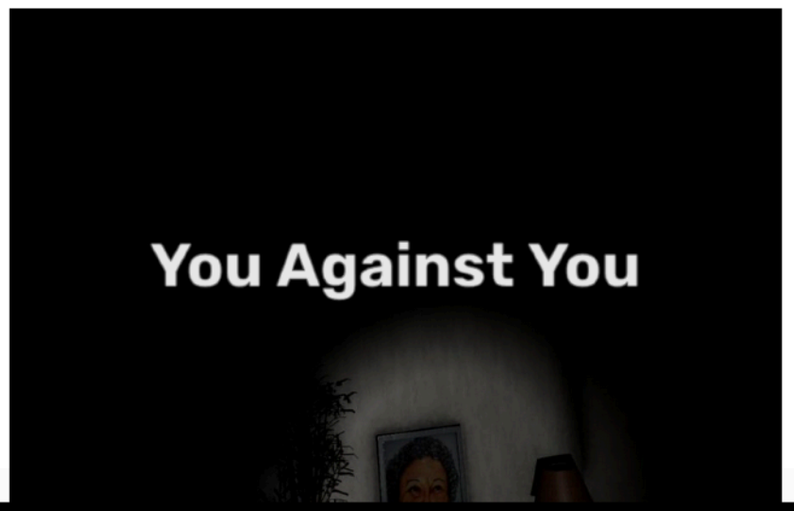
Affective Interactions & Relations

IT UNIVERSITY OF COPENHAGEN

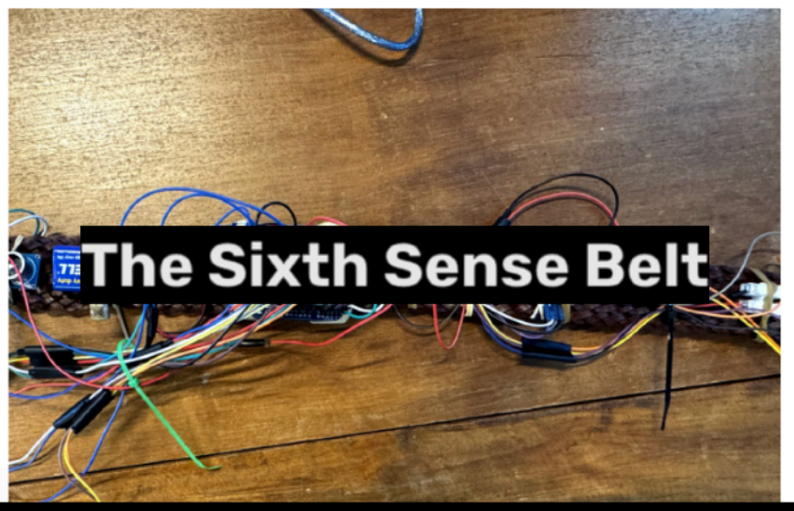
DO A PROJECT IN AIR LAB



USE AIR LAB EQUIPMENT



HOST EVENT IN AIR LAB



https://airlab.itu.dk/



VOCAL IMAGINARIES

https://vocal.itu.dk/

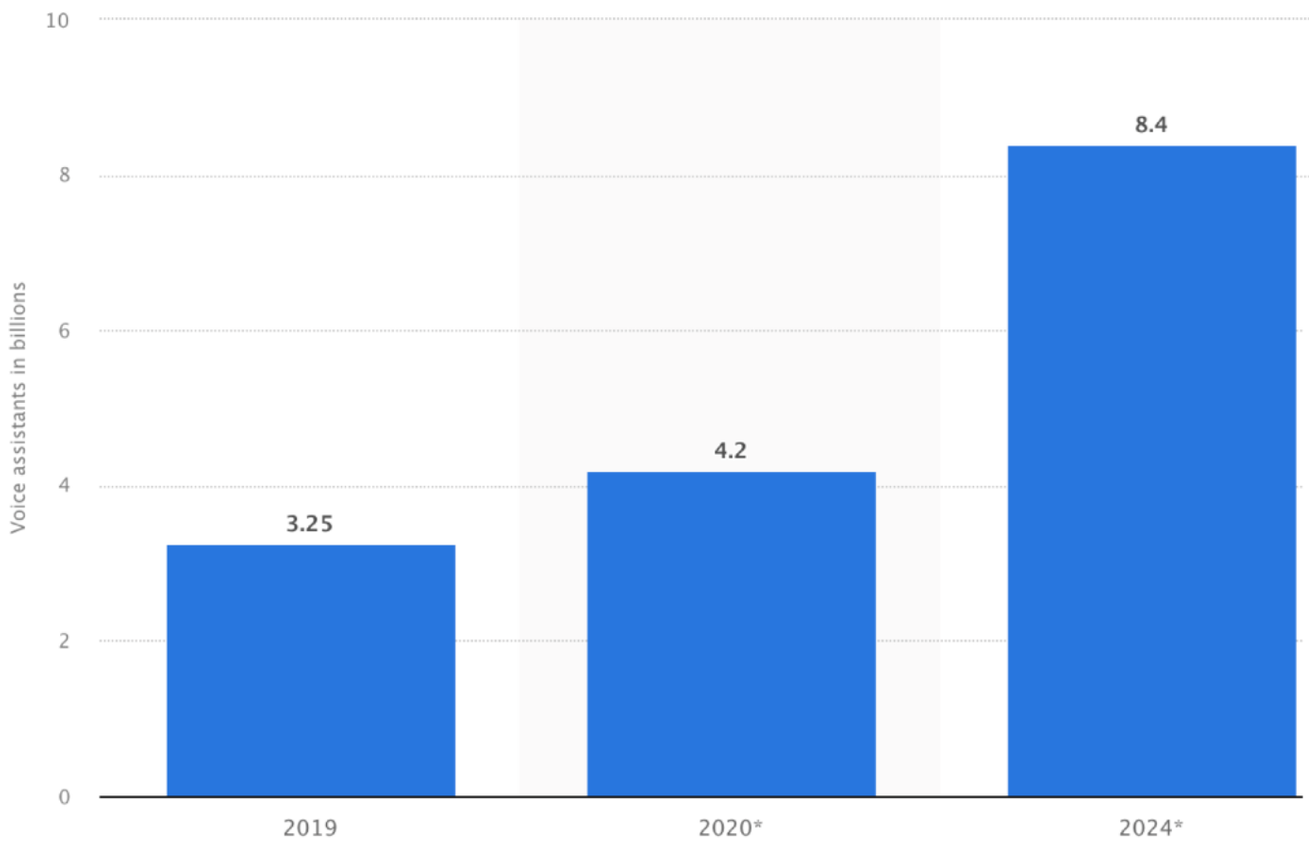
How can we create a framework for understanding voices as a diverse matter of design that go beyond current normative vocal stereotypes and interaction scenarios in present day VUIs?

2022-2025

“Hey Siri”	*“Hey Cortana”*	*“Alexa”*	*“OK Google”*	*“Hi Bixby”*
2011	2014	2014	2016	2017

PREMIUM +

Number of digital voice assistants in use worldwide from 2019 to 2024 (in billions)*



DOWNLOAD

PDF + XLS + PNG + PPT +

Top Voice Search Statistics | Editor's Choice

- The latest data shows there are **4.2 billion** digital voice assistants worldwide.
- Siri and Google Assistant are the most popular digital assistants, with **36%** of users each.
- The entire voice recognition market was valued at **$10.7 billion** in 2020.
- Amazon Alexa was the top-rated voice platform in 2020 with **110.2 points**.
- **68%** of voice assistants users agree personal assistants make their lives easier.
- An average voice search result is just **29 words** long.
- Around **46%** of voice search users search for local businesses each day.
- Voice assistant users conduct **3.1 billion** voice searches each month.
- **24%** of Americans aged 18–29 own a smart speaker.

SERPWATCH

*Forecast

Juniper counts voice assistants as the pairing of an individual user with a particular assistant and device.

© Statista 2022

Additional Information

Show source

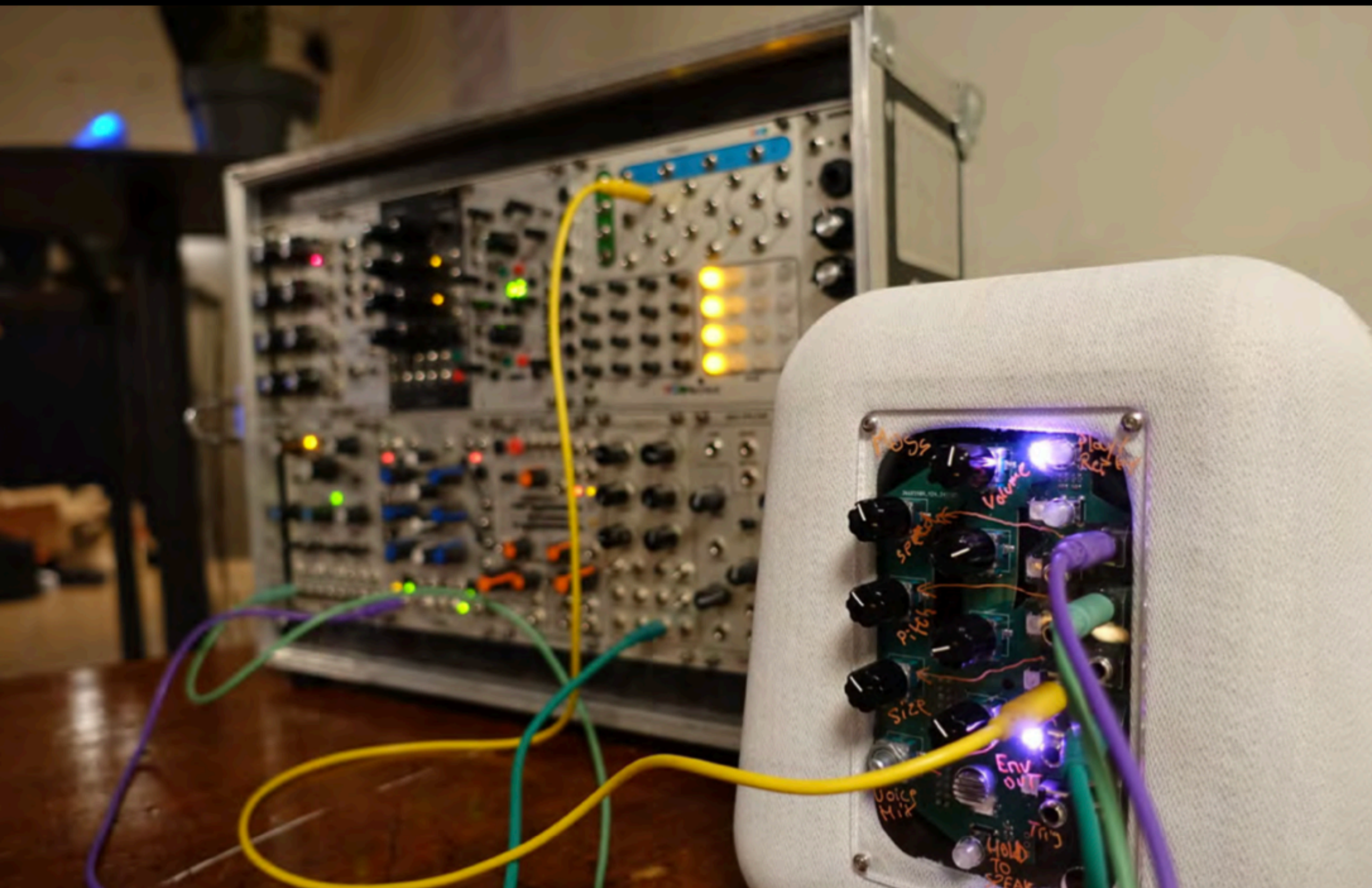
Number of digital voice assistants in use worldwide 2019-2024

Published by Federica Laricchia, Mar 14, 2022

In 2020, there will be 4.2 billion digital voice assistants being used in devices around the world. Forecasts suggest that by 2024, the number of digital voice assistants will reach 8.4 billion units – a number higher than the world's population.

HVIS de her stemmer kunne lyde som hvad som helst, hvorfor lyder de mon så ens?

MoSS: Modular Smart Speaker



Climate Change Smart Speakers



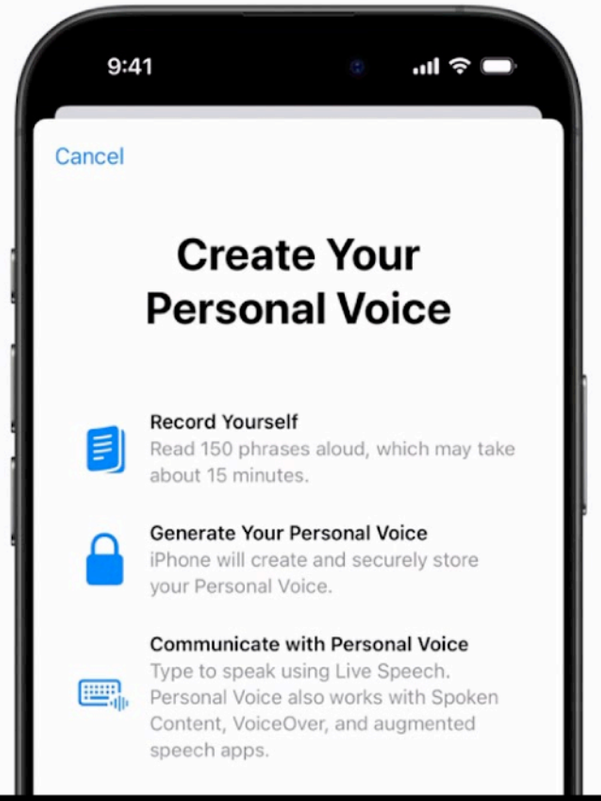
Der er sket meget de sidste år...

Create a Personal Voice on iPhone, iPad, or Mac

With Personal Voice, you can create a synthesized voice that sounds like you, then use it with Live Speech, Read & Speak, VoiceOver, and augmented speech apps.

System requirements for Personal Voice
Create a Personal Voice
Allow other devices and apps to use you
Delete a Personal Voice
Use your Personal Voice

Set up and use Personal Voice and Live Speech



AI Meets AAC. Speak Naturally

Verbali is pioneering the next generation of AI-powered Augmentative and Alternative Communication (AAC) tools, making communication more natural and accessible than ever before.

"Because the most meaningful conversation is a natural one"

Start your free trial today

Download on the App Store

GET IT ON Google Play

NEW READ THE OCTAVE 2 ANNOUNCEMENT BLOG

The world's most realistic & expressive voice AI

Voice AI models powered by emotional intelligence for creators, developers, and enterprises. Create audio books, podcasts, conversational agents and more

TEXT-TO-SPEECH VOICE DESIGN VOICE CLONING CONVERSATIONAL AI

Text-to-speech

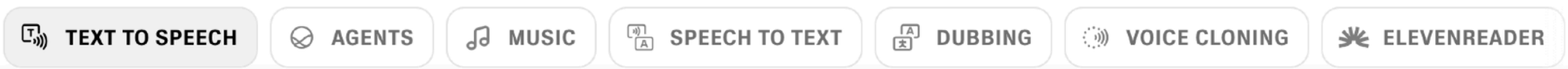
I'm your host, Alex Tran, and today—strap in—we're talking about... robot chickens. Yeah, you heard me. Robot. Chickens. Now before your mind runs off to late-night cartoons or mad science labs, let me paint a picture. Imagine a fluffy, feathery bird—but under that? A network of sensors, tiny actuators, and maybe—just maybe—a Wi-Fi module. Welcome to the poultry revolution.

Black Friday - Starter plan for $1 Redeem

The most realistic voice AI platform

AI voice models and products powering millions of developers, creators, and enterprises. From low-latency conversational agents to the leading AI voice generator for voiceovers and audiobooks.

SIGN UP CONTACT SALES



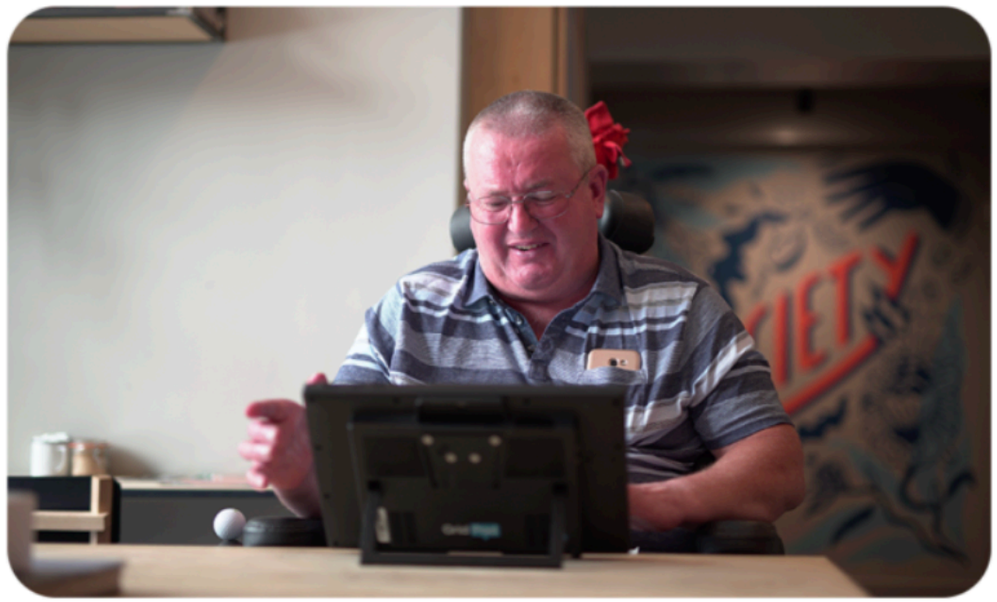
Features
Fix tool
ElevenLabs

How do I use my ElevenLabs voice in Grid 3?

Once you have set up your ElevenLabs account and created your voice, you can connect the voice in Grid. For information on creating a voice: https://hub.thinksmartbox.com/knowledgebase/hints-and-tips-for-recording-your-elevenlabs-voice/

To conn
have acc

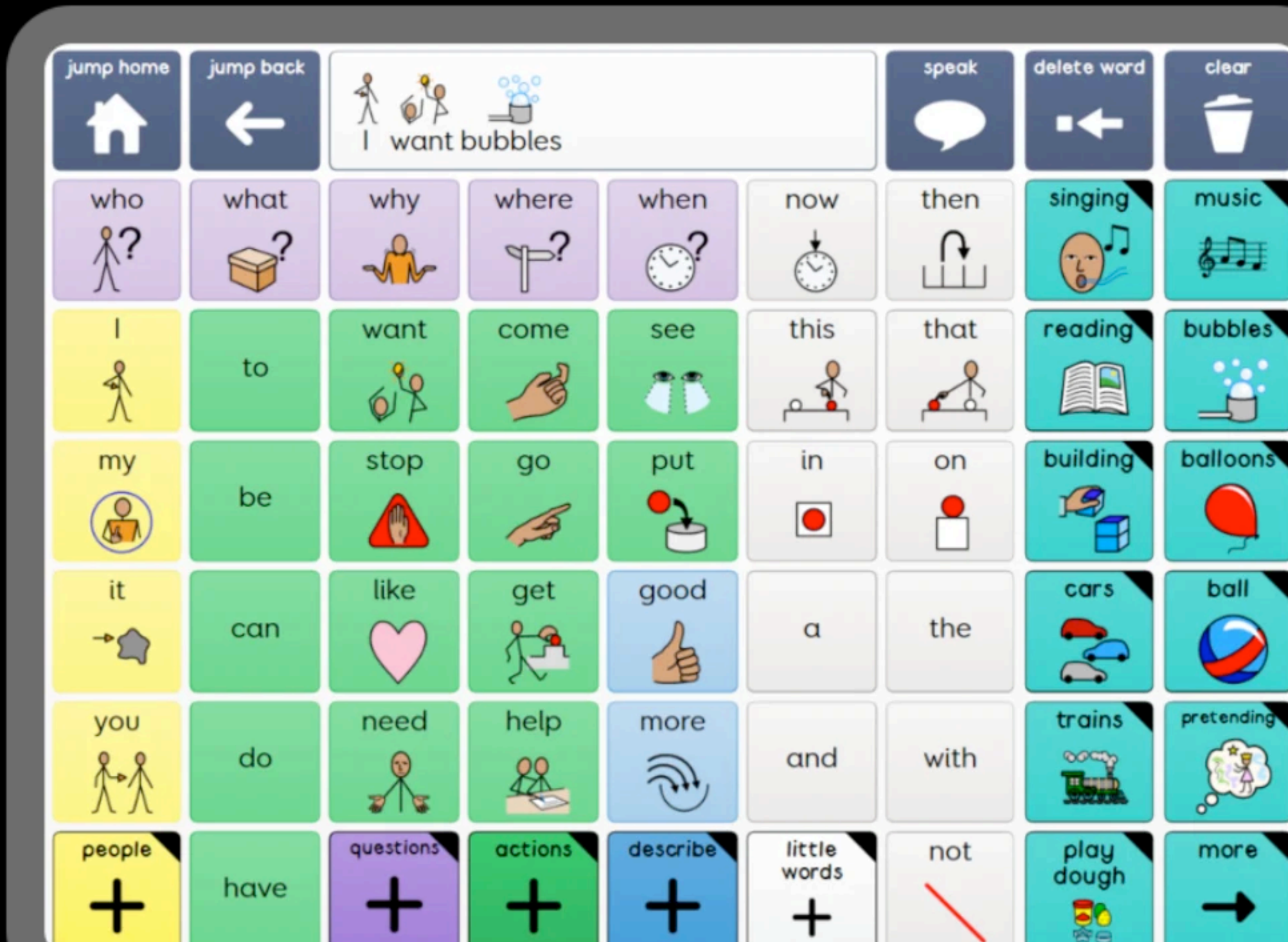
En stemme der tilhører dig

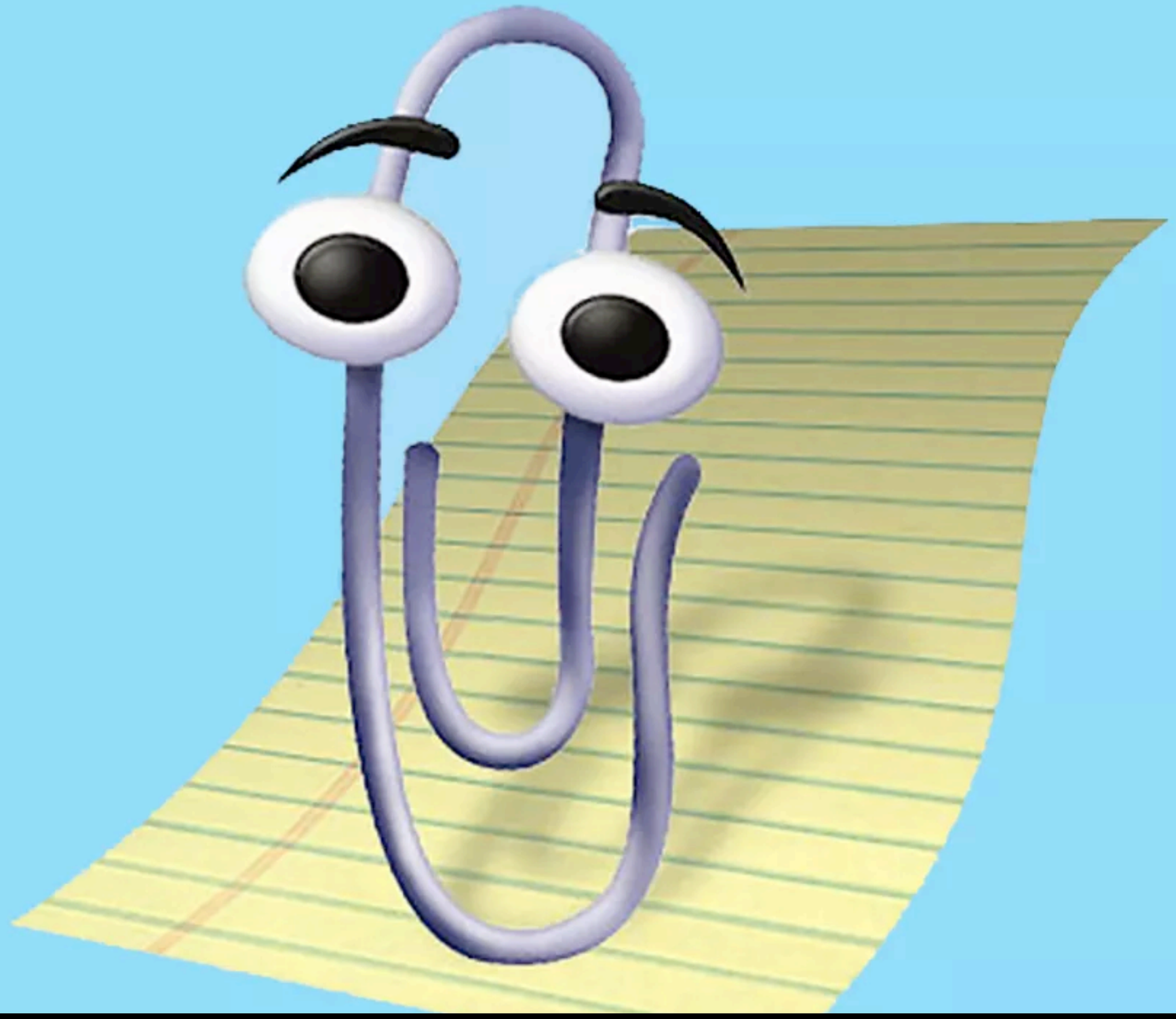


Vælg mellem kvinde – og mandestemme på dansk, eller gå på opdagelse i andre sprog. Du kan skræddersy tonehøjden og hastigheden på stemmen, så den passer til dig, og bruge udtale værktøjer til at udtale ualmindelige ord korrekt. Du kan endda integrere optagelser af din egen stemme eller importere en brugerdefineret stemme, som du allerede har optaget.

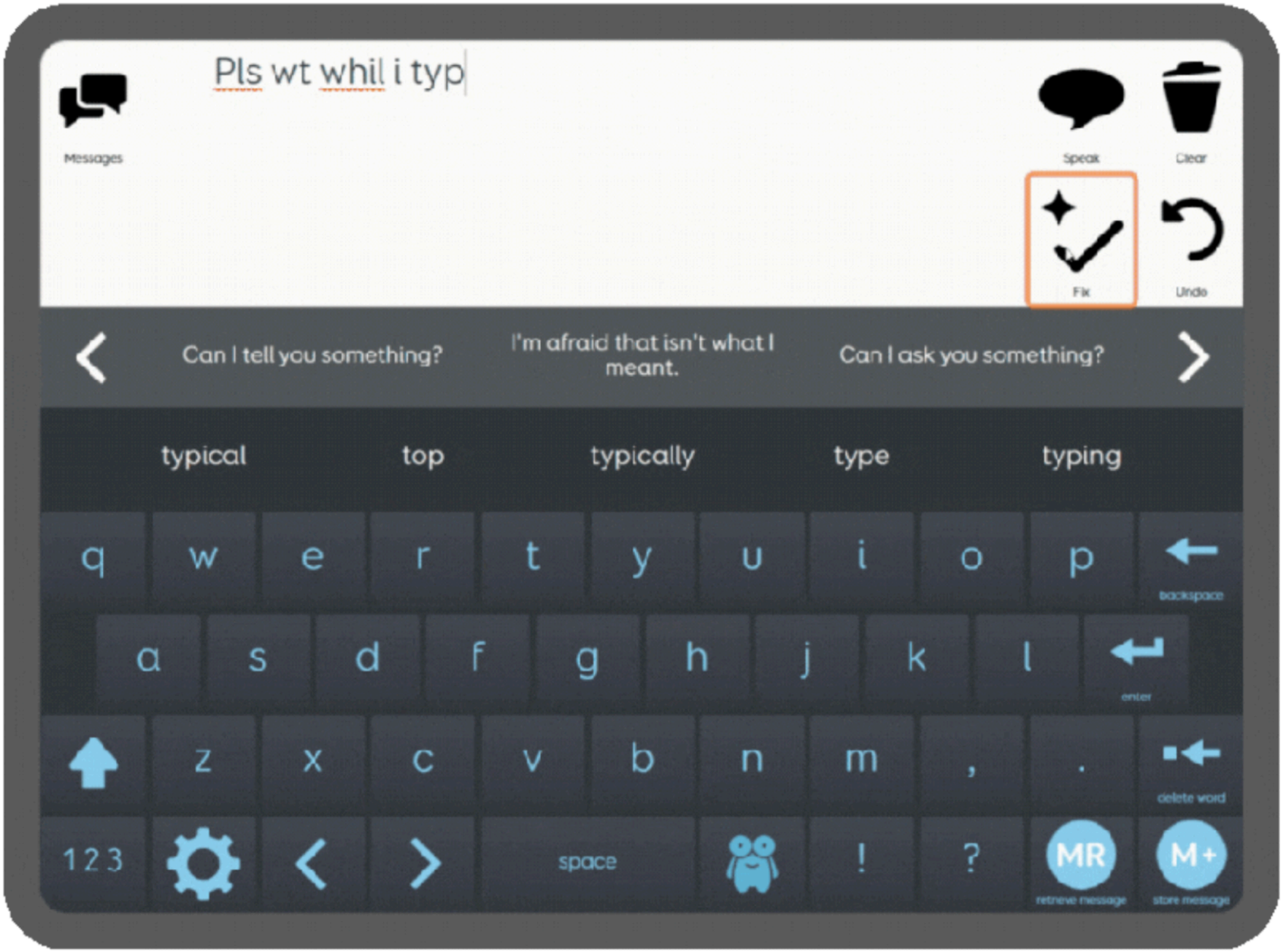
MEDMINDRE DU ER ET BARN i DK (eller et andet mindre land) :-)

Grid for iPad





Lille design-sidespor…



Brug din egen stemme med ElevenLabs

Nu kan du integrere din egen stemme i Grid 3 og Grid for iPad via ElevenLabs. Opret din personlige stemmeprofil ved at optage din stemme eller bruge eksisterende lyd- eller videoklip. Denne funktion kræver ingen avanceret opsætning og er gratis for personer over 18 år.

“Stemmer på 28 sprog er inkluderet, vælg selv dem du vil anvende – på dansk findes Mette, Rasmus, Magnus og Sara!”

MEN INGEN INGRID LILLEVI....

OG DET ER
JO MEGA
ÆRGERLIGT!

OG SÅDAN BEHØVER DET IKKE VÆRE!

DESIGNE VORES EGNE SYNTETISK STEMMER

= NYT FORSKNINGS-PROJEKT

TRACE

TRAnsformations in CarE

Investigating Emerging Human–Technology Interaction in Practices of Care

VELUX FONDEN

Jonas Fritsch (PI), Mai Hartmann, Anna Vallgårda, Safra Martinussen, Erik Grönvall, Kamila Dzierzak, Marie Ertner, Signe Yndigegn, Nicklas Ravn & Pelin Karaturhan

IT-UNIVERSITETET I KØBENHAVN

Main research question

How is care practiced in and through human–technology interaction, and how does this transform relations in and experiences of care?

SP1

Living with ICDs: Transforming data work through predictive healthcare

SP2

Blood glucose trackers and insulin pumps: Transforming care for teenagers with type 1 diabetes

TRACE

Relationality and tablet-mediated social care transformations

SP3

Safety- and surveillance technologies – and transformations of elderly care

SP4

Living with ICDs

Transforming data work through predictive healthcare



How do predictive healthcare technologies transform relations in remote cardiac care, and what are the affective and ethical aspects of the data work emerging for people living with ICDs?

HEALTH/CARE

EMERGENTE TEKNOLOGIER

ETIK

ET PAR INDSIGTER

TRAUMER &
EMOTION WORK

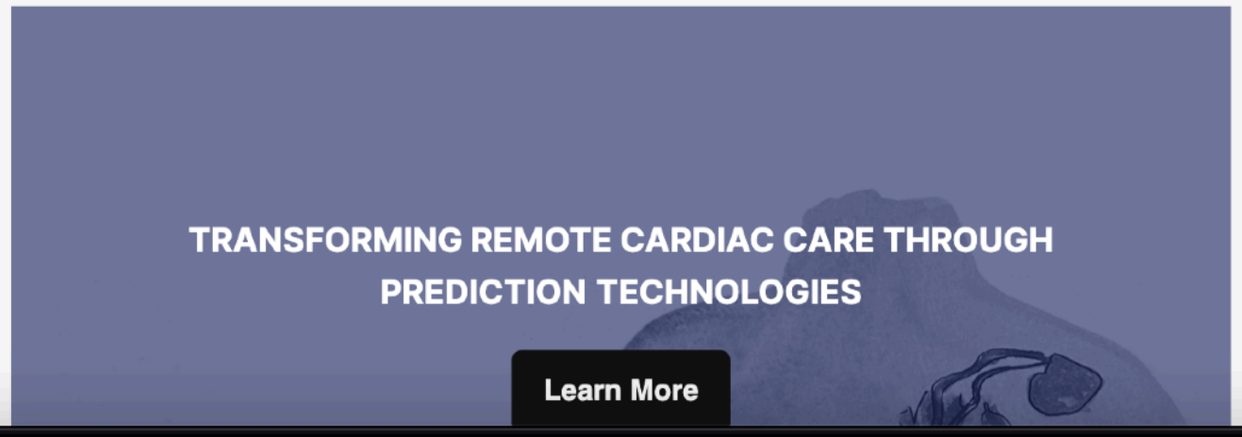
PÅRØRENDE

trace

Subprojects Publications News Researchers

Transformations in Care (TRACE) delivers new in-depth and critical knowledge about the rapid and profound transformations that our health and social care sectors are undergoing as effects of recent years' digitalization. In its four subprojects, TRACE conducts studies on digital technologies' transformative impact in care practices and explores alternative visions of technology-mediated care.

TRACE is supported by the VELUX Foundation Core Group Programme and hosted at the IT University of Copenhagen.





https://blogit.itu.dk/trace/

En sidste lille (de)tour...

UDREDNING

An Extended Reality Artwork for Affectively Engaging with Diagnosing Processes

Jonas Fritsch & Christopher Gad
IT University of Copenhagen
frit@itu.dk & chga@itu.dk

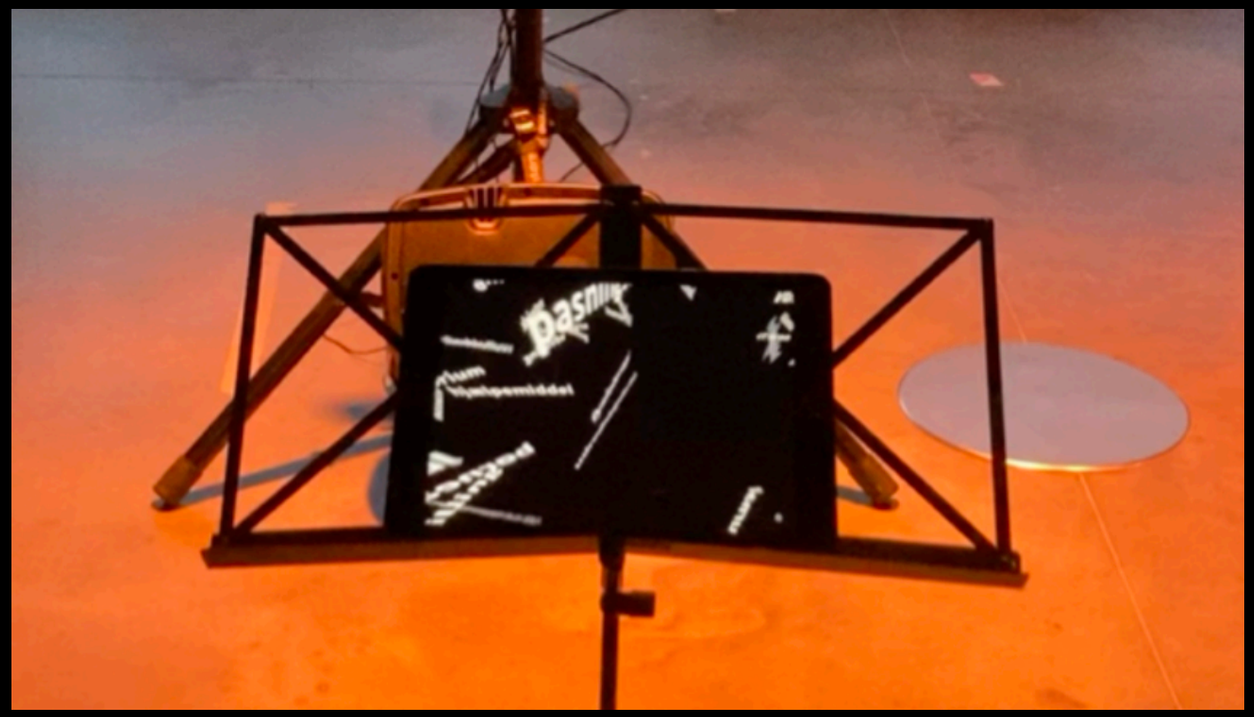


UDREDNING by Mogens Jacobsen, 2022

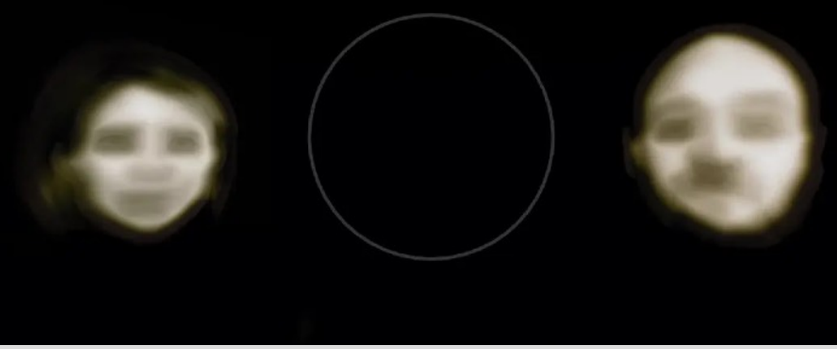
Forældre til et barn der bliver udredt for en sjælden sygdom

THEMES FROM THE INTERVIEWS

1) *Parents as project managers*
2) *Finding a way through the system*
3) *Getting sent back and forth*
4) *The story of the child and diagnosis*
5) *Trusting and distrusting the system*
6) *Lack of empathy in the healthcare system*
7) *Traumatic events and shock*
8) *Various things you are told/sense-making*
9) *The diagnosis*
10) *Uncertainty about the future*
11) *Invisible disabilities*
12) *Emotional work*













AIR Lab, ITU, Welfare after Digitalization, Nov. 2022



Ringsted Galleri, April 2024

meoo, din digitale pårørende

meoo er en AI-assistent, der hjælper patienter og pårørende med at skabe struktur, forstå og navigere trygt gennem et sygdomsforløb. Vi er klar med en betaversion og søger nu testbrugere – både patienter og pårørende – som vil være med til at gøre platformen endnu bedre.

FÅ ADGANG TIL BETAVERSIONEN – DET ER GRATIS!



OK – så var der lidt at tænke over (forhåbentlig :-))

SPSM :-)?

SYNTETISK STEMMEDESIGN & OMSORGSTEKNOLOGI

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