

A CLOSER LOOK

With DCODE

ITD 2022

6th of May, 2022



Imagine you're at an exhibition, showing and debating the future of AI.

We're being surrounded by technology. It's become a crucial part of our lives and will continue to do so. In the near future, AI will be everywhere, including in our homes.

To most people, AI is a black box. We don't really recognize where it operates and what it does. How does AI even work? Even if people have a bit more knowledge, most don't question the validity of the data, who made it, who benefits from it, what it predicts, and the list goes on.

The actions and decisions of AI are a direct reflection of humans. Even though we assume AI to be objective or 'the truth', it is not. Its choices are based on human input, which is often biased.

The more powerful AI becomes in our lives, the more important it is for people to know about these hidden (power) dynamics. Because if they don't know, they cannot build their own opinion. We want people to make up their own minds and be more engaged with

the usage of AI, rather than thoughtlessly accepting this upcoming technology as is. This will empower people to be a part of the conversation and decisions around AI.

The Experience

This smart health system is an example used to let people experience some of these hidden dynamics. It is part of an exhibition about AI, where two people will interact with this prototype. The smart health system revolves around the central hub, the smart mirror. It allows people to experience the potential future of health care in their smart homes.

The visitors have some control over how the mirror examines them by changing the four sliders. Consequently, they can experience how these factors influence their diagnosis, experience, and treatment.

Setting the sliders will force them to think about these values. How important is reliability versus privacy, diversity, effort, and tone of voice? It's still unclear to them what is happening behind the

scenes. How does the AI access their data, assess their health, take into account their privacy?

A second visitor can follow along with the experience on the backside of the mirror. This shows what is actually happening, offering a peek into the black box. When the daily check-up is done, the mirror will rotate, allowing the visitors to change roles. They can experience each other's settings, again showing that these values are different for everyone.

The Interactions

The interactions visitors can experience are setting sliders, and going through the daily check-up. It consists of a visual interface, sound feedback, gesture control, and AR overlays, scanning their hand (bodily data) in the mirror, and getting treatment (pills being dispensed).