

GATEKEEPER

The ultimate newsfeed neutralizer

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 DANIKA VAN KAATHOVEN | LILIANKA ISABEL JULIAN | SHUNSUKE YAMANAMI

What are we willing to give up for a news feed without false information? Assuming an omnipotent AI system could actually be neutral and clean up all newsfeeds from misleading or false information, what would such a system require? Gatekeeper is such a powerful system, that has access to real-time data of vital signs and snapshots of situations around the world to verify information. Could an additional community-based reporting system change any decision taken by the AI system or would such an AI system learn to distrust human made falsity-reports?

INTRODUCE YOUR PRODUCT/SERVICE: WHAT IS IT AND HOW DOES IT WORK?

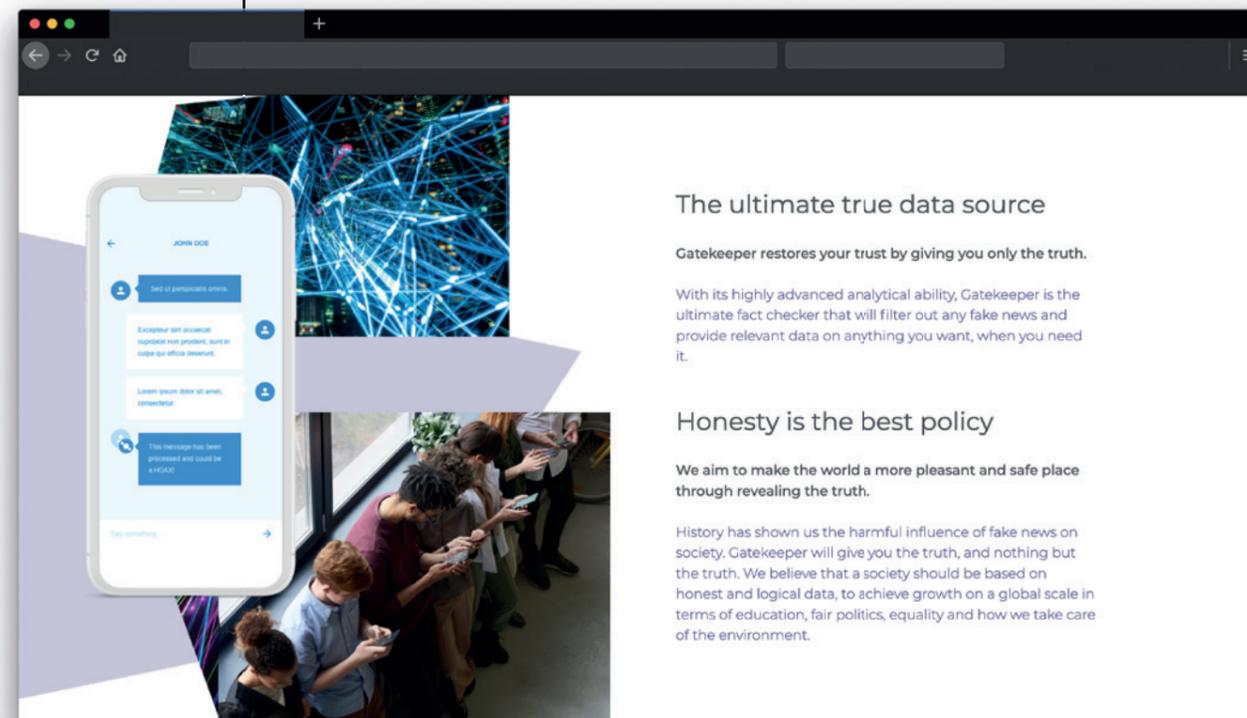
We pictured a post-covid19 society a decade from now where physical distance has become a routine, and yet an even stronger mutual connection is being created virtually. Leaning more towards a connected life online, it has become easier than ever to seemingly stay up-to-date and share news with anyone about anything, anywhere in the world. Within this convenient and rapid digital structure of sharing data, our news channels become a platform for chaotic true-or-false sensationalism. It is nearly impossible to distinguish fake news from the truth, since an original source is nowhere to be found in this open forum full of rumors and conspiracy theories. With no possibility to properly verify information, society

is hit by a big wave of confusion and mistrust.

This is where Gatekeeper steps in. Gatekeeper provides the truth, and nothing but the truth. In this depicted future scenario, this pre-installed artificial intelligence (AI) program is the answer to more transparency in all social contexts.

Gatekeeper is a newsfeed neutralizer app. The AI system works by verifying the uploaded data via an automated revision protocol, making it a neutral force against Fake News. If a user uploads relevant information into social media platforms, key words inside this post (Voice or Text), as well as physical discomfort signals, will activate the AI protocol. The app makes use of already installed programs on the device and uses them

for body language analysis: the heart rate monitor normally



used for fitness and health reasons turns into a lie detector, and voice recording is used to analyze voice pitch and scans for signs of stress and irregularities to detect fake news contributions. Gatekeeper will inform the user and its community if the information shared is a hoax and will remove it afterwards.

Furthermore, Gatekeeper allows for an additional community-based fact checking system: If a specific information hasn't triggered the revision control automatically, third person users can trigger this mechanism under the post report settings – making third party user bounty hunters of Fake News.

terprises to introduce more security measures against this chaos of mass fake data sharing. Examples are the introduction of labels to know more about the Covid-19 virus and also the disruption of any information that can cause mass-hysteria.

Nevertheless, we believe that this may not be enough to make an impact in terms of critical reading and sharing of information. Likewise, it requires protection from the immersive influence of some social media influencers who try to stay relevant and gain followers by sharing sometimes misleading information. This is why we chose the automatic identification of fake news with a self-learning AI in conjunction with the support of real users that can help others by contributing to a peer-to-peer review of information. The idea of Gatekeeper's peer-to-peer verification mechanism is inspired from the new ways of social media security measures and cryptocurrency security with peer-to-peer confirmation protocol, with the twist of using this mechanism just like scientific research magazines produce their peer-to-peer reviews.

Gatekeeper can be perceived as a speculation about our future with AI and information and communication technology, and possible impacts on society. While in the futuristic scenario Gatekeeper contributes to the restoration of trust among the society and renders social media usable again, the AI system accesses relevant applications on the smart devices and retrieves personal information, becoming at times a lie detector. While less omnipotent applications already exist, this project raises the question of whether we are willing to

WHICH SOCIETAL TOPICS ARE YOU ADDRESSING WITH YOUR PRODUCT/SERVICE?

Throughout 2020, the Corona virus not only shocked the world with regards to medical safety, but also put the spotlight on the harmfulness of fake news for societies worldwide. Rumors and conspiracy theories spread through social media caused panic scenarios and dangerous settings and the novel virus could spread faster causing avoidable deaths. In Latin America, for example, there have been many cases of people drinking dangerous amounts of carbonated water, or auto-medicating themselves with Quinine, Chloroquine and other unverified chemicals. Additionally, mass-sharing conspiracy theories about the virus made entire communities worldwide to over-buy unnecessary supplies. This resulted in the necessity of social media en-

be this dependent on our technology and even give up our privacy for the sake of knowing the truth.

smart devices; yet is quite aggressive when a hoax is exposed. Since Gatekeeper depends on the data shared by the community, the focus was more on the interactions between the users and the system.

With reference to devices, today, big brands are building entire ecosystems from desktop computers to smartwatches, making information accessibility easier between the connected devices. Furthermore, users can obtain entire diaries of their health, exercise and dietary, making smaller devices become more intimate with the user. On the other hand, hardware technology has been on the rise regarding flexible and smart glass. Combining these developments, we have imagined that communication ecosystems, smartphones and smartwatches, will be merged into one device by using a speculative flexible and soft glass bracelet that can be attached to the user's wrist. When being unattached, it becomes a full-size functional phone. Through this smart device, Gatekeeper additionally moves from the digital world into our physical world.

DESCRIBE WHY YOU CHOSE THE SPECIFIC VISUAL APPEARANCE OF THE PRODUCT/SERVICE. WHAT ARE YOU INTENDING TO TRIGGER WITH THE DESIGN?

We wanted to keep the visual appearance as minimal and neutral as possible. This way we strived to put emphasis on Gatekeeper's neutral position within (or perhaps above) society. The look should transport that Gatekeeper is pragmatic and objective, merely focused on revealing the truth, regardless of status or any social consequences. Gatekeeper itself does not have a face, but its lie detecting voice is loud and clear. It effortlessly blends in with people's

