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In-Air Signature Gives Mobile Security to the Password-Challenged

The author, Yu-Tzu Chiu, in their article discusses the safety of in-air signature for password management. The author discusses how the technology may work and its safety.

The author begins by discussing how the technology may work and how it’s needed. They do so by discussing the dangers of needing to remember every password and the ease at which it is possible for them to be revealed and explains how easy this new technology would be to use and replace the need to remember every password (Chiu). They explain the capabilities of in-air signature by discussing the speed at which it works, the rate at which a correct signature would not be accepted, and the rate at which a false signature would be accepted (Chiu). They then suggest that the reason in-air signature works is using the phone’s accelerometer and gyroscope (Chiu).

The author continues with discussing in-air signature’s safety. They start by discussing how it is much more accurate compared to a similar, older technology (Chiu). They continue by discussing why it is safe, they explain that it considers the signature itself, how the signature is signed, and the device which is doing the signing (Chiu). They end by discussing how its safety is relative to Apple’s touch ID, they explain that Apple’s touch ID has already been broken through by simply lifting the owner’s fingerprints and how it has already been hacked by a group based in berlin (Chiu).

Works Cited

Chiu, Yu-Tzu. “In-Air Signature Gives Mobile Security to the Password-Challenged.” *IEEE Spectrum*, IEEE Spectrum, 13 Nov. 2013, https://spectrum.ieee.org/inair-signature-gives-mobile-security-to-the-passwordchallenged.