

└ Introduction

Completely Automated Public Turing test to tell Computers and Humans Apart.

1. Say the history of how CAPTCHAs became a thing in the Introduction's preamble.
2. We will now look at some historical background.

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Completely Automated Public Turing test to tell Computers and Humans Apart.
Any computer should be able to grade the test but not to pass it.

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└ CAPTCHA

1. Brief history on CAPTCHA.

The original idea is based on the fact that humans are extremely good at pattern and optical character recognition.



AcCAPTCHA

└─reCAPTCHA

Implements a consensus based policy, with the machine not needing to know the second word.



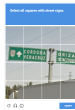
1. Brief history on reCAPTCHA.

AcCAPTCHA

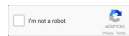
└─reCAPTCHAv2

1. Brief history on reCAPTCHAv2.

Consensus-based, this time with images.



Behavior-based and constantly running in the background.



1. Brief history on NoCAPTCHA.

└─ Methodology

The CAPTCHA problem is far from being solved and there are very few options for disabled people.
AcCAPTCHA is a starting point for an accessible CAPTCHA system.

1. It presents the following modalities
2. The user accesses the system through the web.
3. Aesthetically, you saw it. It is minimalistic and uses big characters for a reason.

└ Finger counting

1. The two previous tasks are too dependent on classic user abilities.
2. Describe the input number, the counter and the Rol.
3. It is a behavioral task.



└ Finger counting

- ▶ MMPOSE's hand recognition reaches 84% AUC and 81% PCK@0.2.

1. Describe what this model does.
2. PCK@a is the Probability of Correct Keypoint at threshold a.

└ Finger counting

- ▶ MMPOSE's hand recognition reaches 84% AUC and 81% PCK@0.2.
- ▶ Classic computer vision's issues.
- ▶ Cultural differences may or may not be a problem.

1. Describe central Asia, Russia, chisanbop and european ways of counting.

└ Configuration



1. By default all checkboxes are unchecked for inclusivity.
2. The proposition we get is a conjunction of flags, if a test is True then it can be sampled.