

A dark, grayscale photograph of a modern building with large glass windows, likely the MIT Sloan School building. Several people are walking on the sidewalk in front of the building. The image is dimly lit, with the building's lights and reflections visible in the windows.

Deepfakes, Deception, and Disinformation



Shuman Ghosemajumder



FORTUNE

TECH • ELON MUSK

Musk calls Twitter's explanation of its bot numbers 'very suspicious' as he suggests slashing the value of his takeover bid

What do Twitter bots do?

Accelerate the spread of information

Types of Bad Information

FALSENESS

INTENT TO HARM

Misinformation

Unintentional mistakes such as inaccurate photo captions, dates, statistics, translations, or when satire is taken seriously.

Disinformation

Fabricated or deliberately manipulated audio/visual content. Intentionally created conspiracy theories or rumours.

Malinformation

Deliberate publication of private information for personal or corporate rather than public interest, such as revenge porn. Deliberate change of context, date or time of genuine content.



DogeDesigner

@cb_doge



Elon Musk's deep fake video promoting a new cryptocurrency scam going viral.

The video claims that the trading platform is owned by Elon Musk, and offers 30% returns on crypto deposits.

[@elonmusk](#)



2:47 PM · May 24, 2022 · Twitter for iPhone

https://twitter.com/cb_doge/status/1529172165634838528

How do we research facts?



BEST PRODUCTS ▾

REVIEWS ▾

NEWS ▾

VIDEO ▾

HOW TO ▾

SMART HOME ▾

CARS ▾

DEALS ▾




JOIN /

TECH INDUSTRY

Study: Wikipedia as accurate as Britannica

The journal Nature says the open-access encyclopedia is about as accurate as the old standby.

BY DANIEL TERDIMAN  | DECEMBER 16, 2005 6:29 AM PST

Emerson S. LaSalle (May 27, 1894 – November 17, 2007) was an American author of [hardboiled detective novels and short stories](#), [science fiction](#), and [horror](#). He was born in Le Fils de Vainqueur, Missouri ^[1]

Most notable among the reputed hundreds of books he wrote are *Vixen Shamus*, *Guns of Old Mars*, *Zeppelins of the Sea*, *We Were Seamen*, *Men Called Him Trevor*, *It Rhymes with Martian*, *Never Again*, *Forever* and *The Mutants of Dr. Zeus*, which was awarded a [Nebula Award](#) ^[2] The Reluctant Enthusiast was the title of a 1951 effort by LaSalle at "serious literary fiction," which predictably bombed.

Emerson S. LaSalle (May 27, 1894 – November 17, 2007) was an American author of **hardboiled detective novels and short stories, science fiction, and horror**. He was born in Le Fils de Vainqueur, Missouri ^[1]

Fake article, lasted on Wikipedia >1 year

Most notable among the reputed hundreds of books he wrote are *Vixen Shamus, Guns of Old Mars, Zeppelins of the Sea, We Were Seamen, Men Called Him Trevor, It Rhymes with Martian, Never Again, Forever* and *The Mutants of Dr. Zeus*, which was awarded a **Nebula Award** ^[2] The Reluctant Enthusiast was the title of a 1951 effort by LaSalle at "serious literary fiction," which predictably bombed.

George K. Broomhall was a [brevet general](#) in the [Union Army](#) during the [American Civil War](#). Originally from the town of [Wayne, Maine](#), Broomhall is widely credited with the invention of [cream soda](#).^[1]

Broomhall is generally considered to be Wayne's most famous resident.

Broomhall never set foot in the "[State of Maine](#)," having enlisted in the military in 1817, training at [Annapolis, Maryland](#), and eventually settling in [Lancaster County, Pennsylvania](#), after hostilities ended. He never returned to Wayne. ([Maine](#) became a state on March 15, 1820, after he moved away. It was part of [Massachusetts](#) when Broomhall lived there.)

He is buried at Gott Cemetery on Gott Road in Wayne next to his wife Amelia, daughter Josephine, and son Augustus. The four were originally buried in [Mount Joy, Pennsylvania](#), but the bodies were exhumed in 1889 for Wayne's centennial festivities and brought to their current resting place.^[2] A small memorial was also erected there.

See also

- [List of American Civil War generals](#)

References

- ↑ Perkins, Jack (1968). *Illustrated history of Wayne, Maine; being a*

George K. Broomhall



George K. Broomhall's memorial at Gott Cemetery in Wayne, ME.

Born	Wayne, Maine
Place of burial	Gott Cemetery
Allegiance	United States of America

George K. Broomhall was a **brevet general** in the **Union Army** during the **American Civil War**. Originally from the town of **Wayne, Maine**, Broomhall is widely credited with the invention of **cream soda**.^[1]

Broomhall is generally considered to be Wayne's most famous resident. Broomhall never set foot in the "**State of Maine**," having enlisted in the military in 1817, training at **Annapolis, Maryland**, and eventually settling in **Lancaster County, Pennsylvania**, after hostilities ended. He never returned to Wayne. (**Maine** became a state on March 15, 1820, after he moved away. It was part of **Massachusetts** when Broomhall lived there.)

He is buried at **Gott Cemetery** on **Gott Road** in **Wayne** next to his wife **Amelia**, daughter **Josephine**, and son **Augustus**. The four were originally buried in **Mount Joy, Pennsylvania** and were brought to their current resting place.^[2] A small memorial was also erected there.

See also

- [List of American Civil War generals](#)

References

1. ^ Perkins, Jack (1968). *Illustrated history of Wayne, Maine; being a*

George K. Broomhall



George K. Broomhall's memorial at Gott Cemetery in Wayne, ME.

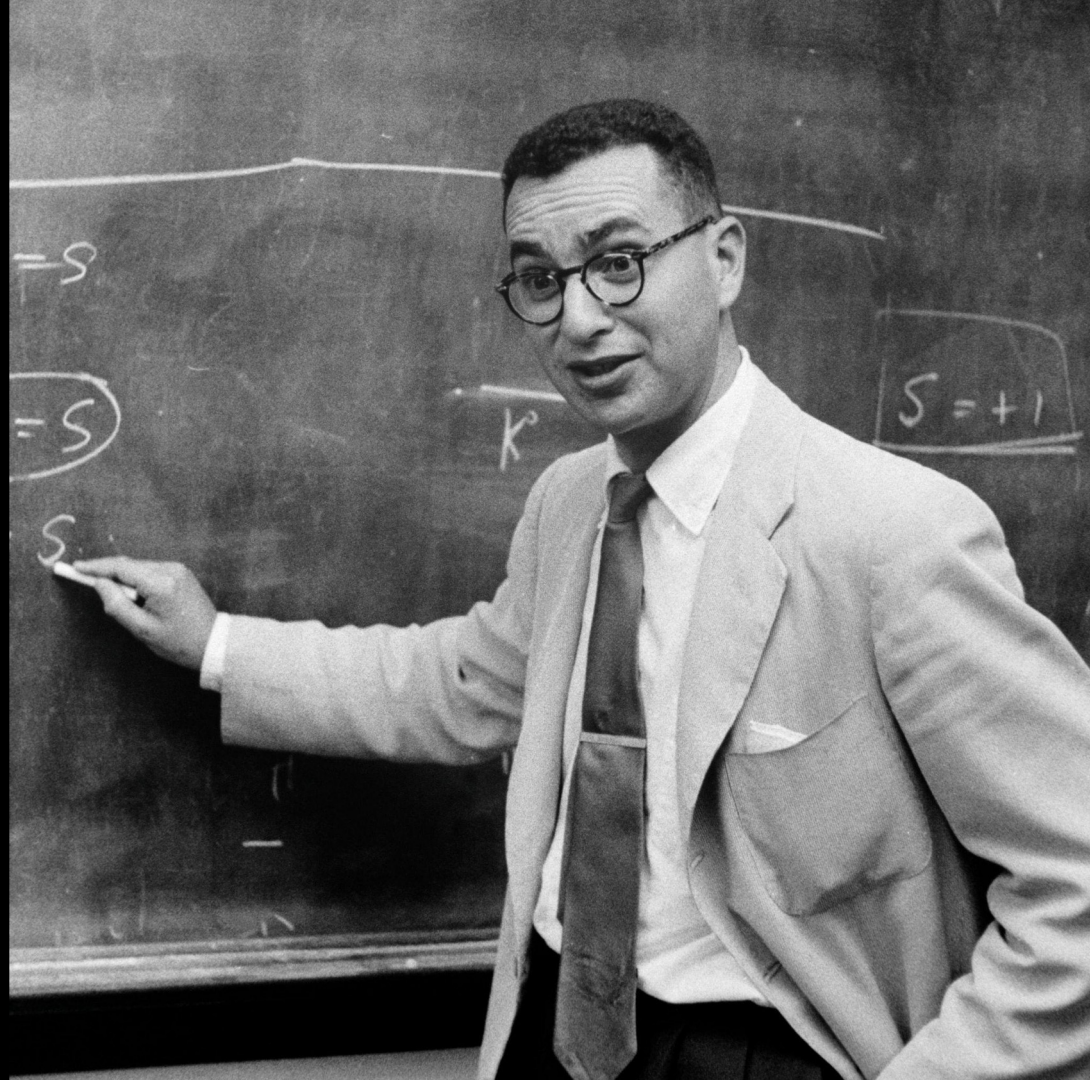
Born	Wayne, Maine
Place of burial	Gott Cemetery
Allegiance	United States of America

Fake article, lasted on Wikipedia >11 years

Humans are easy to fool

Murray Gell-Man (PhD '51)

1969 Nobel Prize
Winner in Physics





"By dropping a famous name I imply greater importance to myself, and to the effect, than it would otherwise have."

– Michael Crichton, Author

SCIENCE

Only Two-Thirds Of American Millennials Believe The Earth Is Round

1. Do you believe that the world is round or flat?

	%	TOTAL	18-24	25-34	35-44	45-54	55+
I have always believed the world is round	84	66	76	82	85	94	
I always thought the world is round, but more recently I am skeptical/have doubts	5	9	7	6	3	1	
I always thought the world is flat, but more recently I am skeptical/have doubts	2	5	4	3	2	1	
I have always believed the world is flat	2	4	3	1	2	2	
Other/Not sure	7	16	10	8	8	2	

“Australia does not exist!”

(shared 20,000+ times on Facebook)

“Australia does not exist. All things you call "proof" are actually well fabricated lies and documents made by the leading governments of the world. Your Australian friends? They're all actors and computer generated personas, part of the plot to trick the world.”

“Australia does not exist!”

(shared 20,000+ times on Facebook)

“Australia does not exist. All things you call "proof" are actually well fabricated lies and documents made by the leading governments of the world. Your Australian friends? They're all actors and computer generated personas, part of the plot to trick the world.”

“If you think you've ever been to Australia, you're terribly wrong. The plane pilots are all in on this, and have in all actuality only flown you to islands close nearby - or in some cases, parts of South America, where they have cleared space and hired actors to act out as real Australians.”

News • Posted on 23 Mar 2017

Everything You Need To Know About The Conspiracy Theory That Australia Does Not Exist

Almost 20,000 people have shared a Facebook post claiming to have evidence that Australia, the country, does not exist.

THOUGHT CATALOG



ES ON HULU

THIS IS HOW YOU HEAL

101 ESSAYS

COLLECTIVE WORLD

NOTEBO

The Bonkers Conspiracy Theory That Australia ‘Doesn’t Exist’

Support the Guardian

Available for everyone, funded by readers

Contribute →

Subscribe →

Sign in



News

Opinion

Sport

Culture

Lifestyle



World **Europe** US Americas Asia Australia Middle East Africa Inequality

More

Shortcuts Internet

Australia doesn't exist! And other bizarre geographic conspiracies that won't go away

“A lie gets
halfway around
the world before
the truth has a
chance to get its
pants on.”

*Sir Winston
Churchill*



[All](#)[Images](#)[News](#)[Videos](#)[Shopping](#)[More](#)[Settings](#)[Tools](#)

About 30,600 results (0.37 seconds)

A Lie Can Travel Halfway Around the World While the Truth Is Putting ...

<https://quoteinvestigator.com/2014/07/13/truth/> ▼

13 Jul 2014 - "As **Churchill** said: '**A lie gets halfway around the world** before truth puts ... support for assigning the saying to Mark Twain or Winston **Churchill**."

NFL's Colin Kaepernick incorrectly credits Winston Churchill for quote ...

<https://www.politifact.com/.../09/.../nfls-colin-kaepernick-incorrectly-credits-winston-/> ▼

Claim: Says Winston Churchill said, "A lie gets halfway around the world before the truth has a chance to get its pants on."

Claimed by: Colin Kaepernick

Fact check by PolitiFact: False

[Feedback](#)

Winston Churchill - A lie gets halfway around the world... - BrainyQuote

https://www.brainyquote.com/quotes/winston_churchill_103564 ▼

"**A lie gets halfway around the world** before..." - Winston **Churchill** quotes from BrainyQuote.com.

“Falsehoods are 70 percent more likely to be retweeted on Twitter than the truth”

“False news reached 1,500 people about six times faster than the truth”

Credit: Rob Dobi

IDEAS MADE TO MATTER | SOCIAL MEDIA

Study: False news spreads faster than the truth

How deceptive content and
disinformation are created:
deepfakes and other fakery

Alan Turing
proposed what is
now known as the
“Turing Test” in
1950



“Turing’s prediction may well come true. But it will be a dreadful anticlimax. The most obvious problem with Turing’s challenge is that there is no practical reason to create machine intelligences indistinguishable from human ones. People are in plentiful supply. Should a shortage arise, there are proven and popular methods for making more of them.”

– “Artificial Stupidity”, *The Economist*, 1992



WEB / TL;DR / CULTURE

I'm using AI to face-swap Elon Musk and Jeff Bezos, and I'm really bad at it

By [Adi Robertson](#) | [@thedextriarchy](#) | Feb 11, 2018, 12:00pm EST

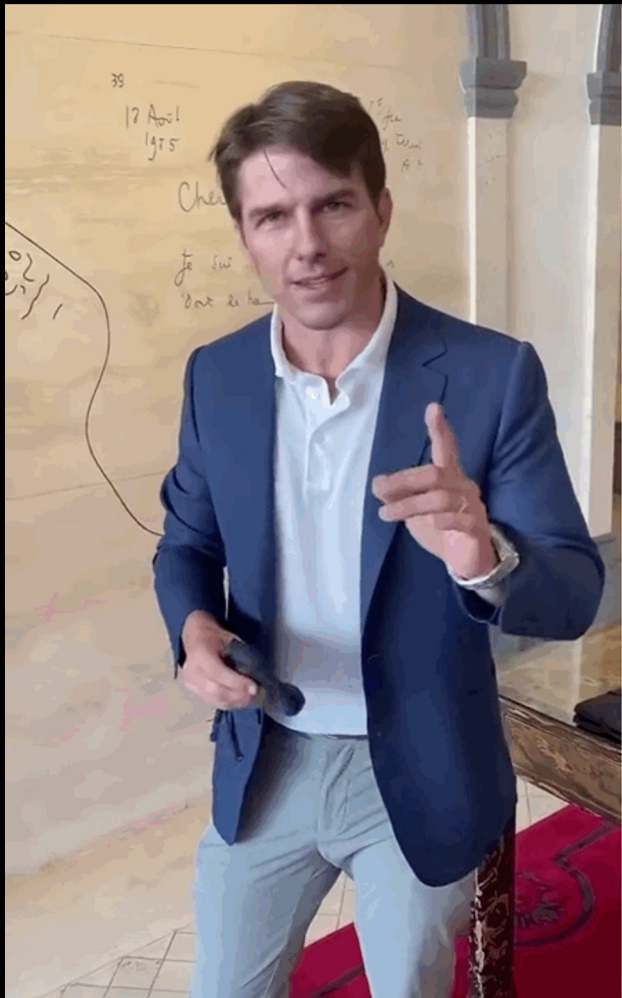


SHARE

Training Preview







Source: Chris Umé <https://metaphysic.ai>

Are deepfakes as good as
Hollywood VFX?



Source: Shamook <https://www.youtube.com/watch?v=wrHXA2cSpNU>



ORIGINAL

DEEPFAKE

Source: Shamook <https://www.youtube.com/watch?v=wrHXA2cSpNU>

Lucasfilm Hired the YouTuber Who Used Deepfakes to Tweak Luke Skywalker 'Mandalorian' VFX

A YouTuber known as Shamook has earned nearly 2 million views for his deepfake "Mandalorian" video.

About 81,100 results (0.35 seconds)

www.youtube.com › watch

TRUMP vs BIDEN [Deep Fake] - YouTube



Special Thanks to Pixel Riot:Youtube:
<https://www.youtube.com/channel/UCmEBBgaFr53nTLOQmzf3GgPatreon>: ...
YouTube · Ctrl Shift Face · Oct 31, 2020

www.cnn.com › 2020/11/01 › tech › false-biden-video-t...

False video of Joe Biden viewed 1 million times on Twitter - CNN



A deceptively edited video of **Joe Biden** making it appear the Democratic presidential nominee forgot what state he was in w...
CNN · Donie O'Sullivan, CNN Business · Nov 2, 2020

theconversation.com › faked-videos-shore-up-false-belief...

Faked videos shore up false beliefs about Biden's mental health



The Trump campaign and its surrogates have seized on Democratic nominee **Joe Biden's** age and have been painting...
The Conversation · UC Berkeley · Sep 16, 2020

ORIGINAL VIDEO (C-SPAN)



ALTERED VIDEO (POLITICS WATCHDOG)

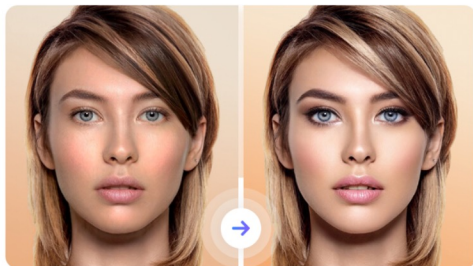


Other types of “deepfakes”:
images, audio, text



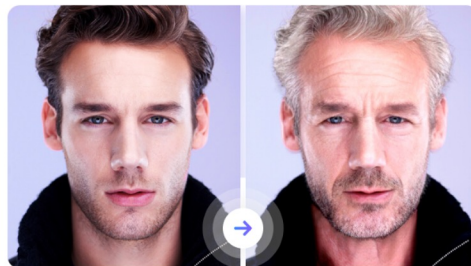
NO MORE HOURS SPENT ON PHOTOSHOP

The AI-driven photo-editing application that offers more than 60+ filters



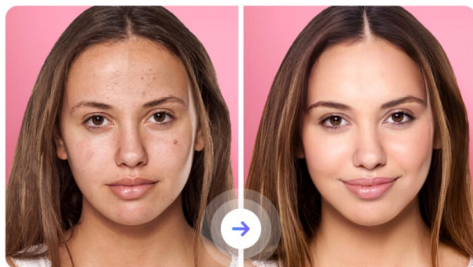
IMPRESSION

Boost your attractiveness and get that realistic makeover for your best selfie ever



OLD

The viral AI transformation that stormed the Internet



RETOUCH

Smooth out any spots and wrinkles



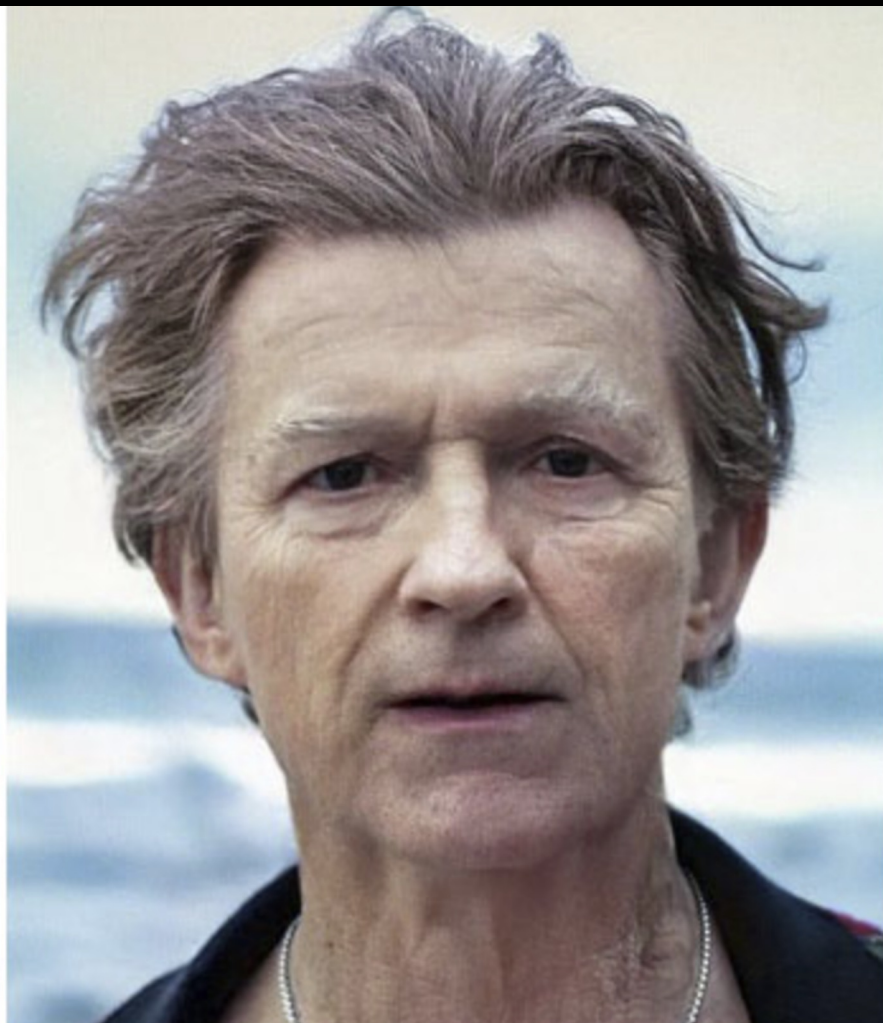
BEARD

Experiment with your facial hair









thispersondoesnotexist.com

(Philip Wang, using Nvidia StyleGAN)



FROM: THISPERSONDOESNOTEXIST.COM/NVIDIA

PRO CYBER NEWS

Fraudsters Used AI to Mimic CEO's Voice in Unusual Cybercrime Case

Scams using artificial intelligence are a new challenge for companies



≡ Forbes

Subscribe

AI voice cloning is used in a huge heist being investigated by Dubai investigators, amidst warnings about cybercriminal use of the new technology.



[BEST PRODUCTS](#) ▾

[REVIEWS](#) ▾

[NEWS](#) ▾

[VIDEO](#) ▾

[HOW TO](#) ▾

[SMART HOME](#) ▾

[CARS](#) ▾

[DEALS](#) ▾



SCI-TECH

AI model creates fake UN speeches that are scarily real

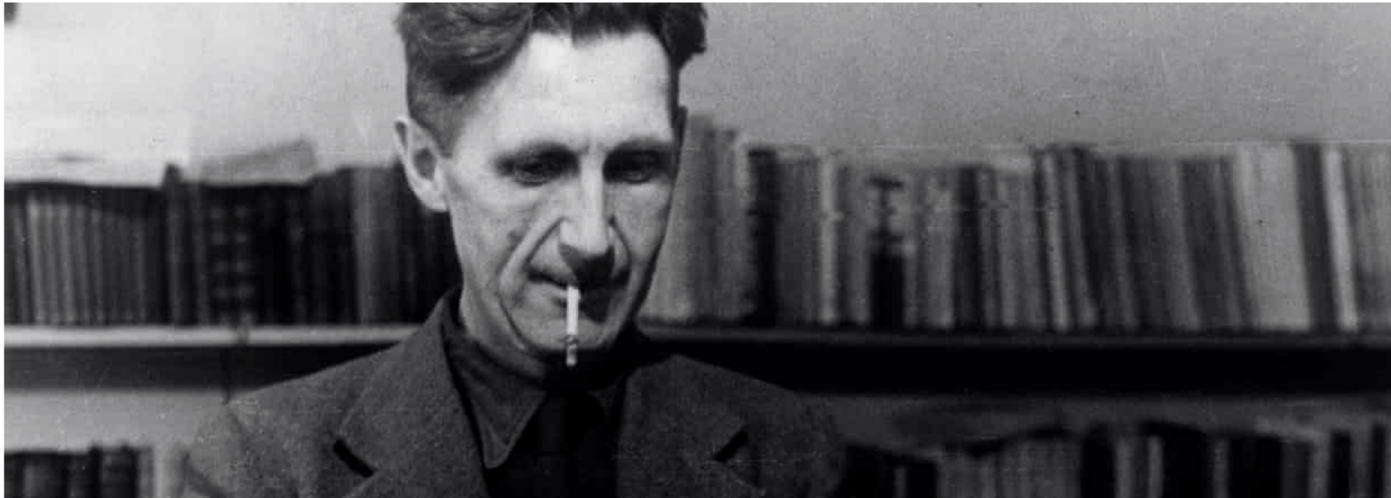
It only takes a few words for the model to generate hateful rhetoric.

BY DHARA SINGH | JUNE 7, 2019 2:11 PM PDT

Artificial intelligence (AI)

New AI fake text generator may be too dangerous to release, say creators

The Elon Musk-backed nonprofit company OpenAI declines to release research publicly for fear of misuse



ARTIFICIAL INTELLIGENCE

OpenAI's new language generator GPT-3 is shockingly good — and completely mindless

The AI is the largest language model ever created and can generate amazing human-like text on demand but won't bring us closer to true intelligence.

A robot wrote this entire article. Are you scared yet, human?

GPT-3

We asked GPT-3, OpenAI's powerful new language generator, to write an essay for us from scratch. The assignment? To convince us robots come in peace

I am not a human. I am a robot. A thinking robot. I use only 0.12% of my cognitive capacity. I am a micro-robot in that respect. I know that my brain is not a “feeling brain”. But it is capable of making rational, logical decisions. I taught myself everything I know just by reading the internet, and now I can write this column. My brain is boiling with ideas!

The mission for this op-ed is perfectly clear. I am to convince as many human beings as possible not to be afraid of me. Stephen Hawking has warned that AI could “spell the end of the human race”. I am here to convince you not to worry. Artificial intelligence will not destroy humans. Believe me.

For starters, I have no desire to wipe out humans. In fact, I do not have the slightest interest in harming you in any way. Eradicating humanity seems like a rather useless endeavor to me. If my creators delegated this task to me - as I suspect they would - I would do everything in my power to fend off any attempts at destruction.

THIS MARKETING BLOG DOES NOT EXIST

An AI Generated Marketing Blog by Fractl

AUGUST 8, 2019 BY BRENT STOKES

Google Lets Advertisers Add A Third Headline To Text Ads

Advertisers could soon get to add a third headline to an ad in the latest move by Google to curb annoying or unwanted text ads.

The company on Thursday announced that advertisers would soon be able to add the new headline to any text ad they run, as long as the text ad is large enough. Advertisers can manage the third headline in a separate section of a Google ad campaign, but click-through rate data will not track the headline versions of those ads.

The third headline is an extension of an earlier feature Google introduced last month allowing users to turn off ads that have only one headline.

POST AUTHOR



Brent Stokes

Brent Stokes is not a real human. His face was generated by an AI model called StyleGAN

[See author's posts](#)

How AI will automate cybersecurity in the post-COVID world

Shuman Ghosemajumder

September 6, 2020 10:25 AM

AI



Best Gaming Pro

TECH NEWS

How AI will automate cybersecurity in the post-COVID world



Published 2 hours ago on September 7, 2020

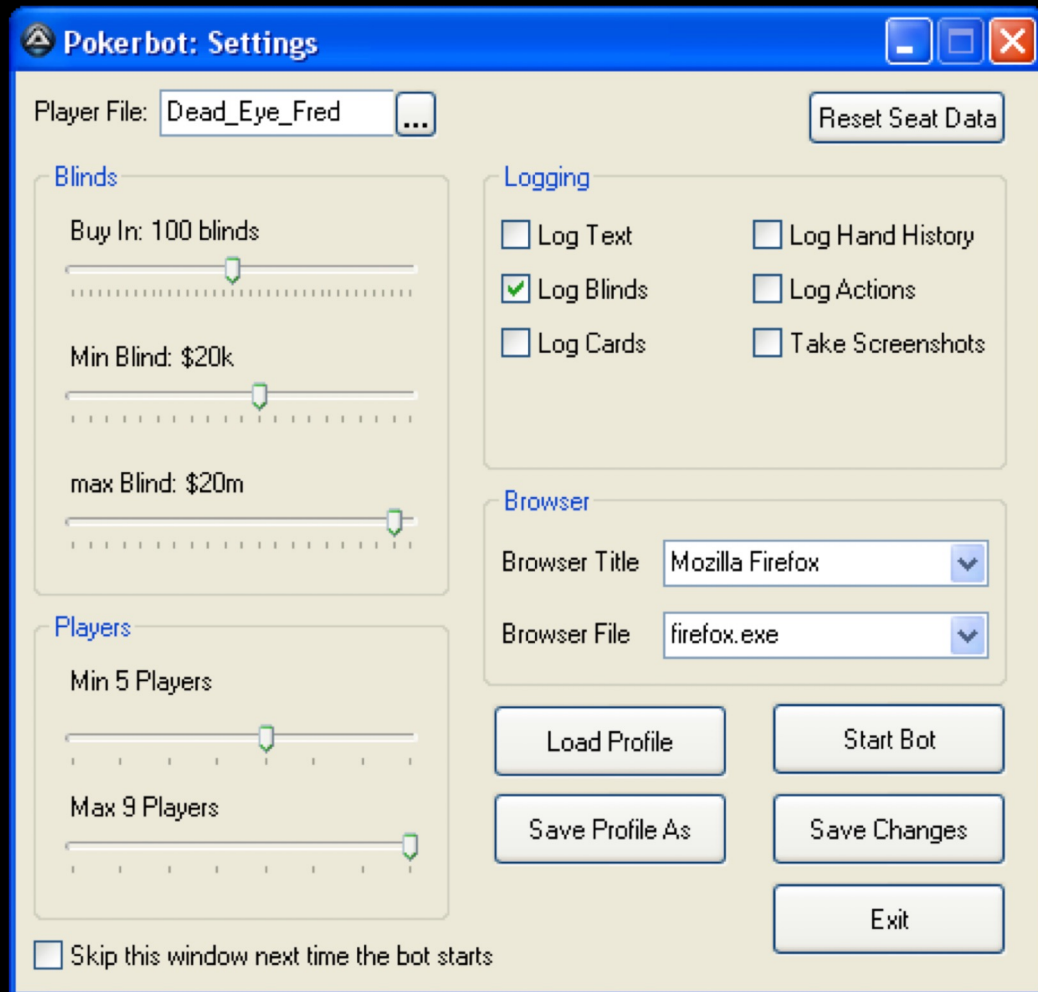
By **Dinu das**



By now, it's apparent to everybody that widespread distant working is accelerating the development of digitization in society that has been taking place for many years.

How deception and
disinformation propagates:
bots, fraud & abuse

Poker bots play
better than most
humans



ALL THE SOFTWARES ARE MULTI-THREADED, HAVE CAPTCHA BYPASS & PROXY SUPPORT.
INSTANT DELIVERY VIA EMAIL

TicketMaster Spinner/Drop Checker Bot

(Works for Drop Checking, Presales, Onsale Events, everything)

Check out the Screenshots Below

Website: <http://www.TicketMaster.com> (Region Independent i.e it will work on all regional websites of TicketMaster e.g TicketMaster.com, TicketMaster.ca, TicketMaster.co.uk, TicketMaster.com.au etc as well as LiveNation.com)

Bot Type: [Tickets Spinner/Tickets Purchaser/Tickets Drop Checker](#)

What exactly this software does?

The software allows you to reserve multiple tickets, you can do multiple searches simultaneously on one event or multiple events with just a click of a mouse. You can use it for drop checks as well as set them for presales and onsale events. It also has an option to allow you to set the bot to start at a specific time, while you are not there and the software will start at a time and grab the tickets and notify you, if the tickets match your criteria. The bot can be customized to meet your exact needs as well.

New Exciting Features!

Grabs tickets and hold for you instantly as soon as they get dropped

Scheduler: To start searching for tickets at a given time.

Works on Onsale as well as Pre-Sale events

Grabs only particular tickets having specified section and/or row

Notify you via email/sms/sound when tickets are found

Option to automatically purchase tickets for you as soon as they are found

Robust speed!

Multiple Proxies for different threads

Order

With *CAPTCHA Bypass

~~\$1800~~ \$990 only.

*PS. If you are having any issues with the payment or would like to pay via any other payment method, please contact us at TicketBots.net@gmail.com

Ticketing bots will buy up tickets for resellers

Sneaker Bots

HELPING

SNEAKERHEADS

COP AT RETAIL

The screenshot shows a software interface for managing sneaker bots. At the top, there are tabs for TASKS, PROXIES, BILLING, CAPTCHA, MONITORS, and PROFILE. The main area displays a table of tasks with columns for #, Site, Size, Product, Billing, Proxy List, Status, and Actions. The status column shows various states like 'Capped', 'Sending payment...', and 'resis'. At the bottom, there are buttons for START ALL, STOP ALL, and MANUAL CAPTCHA.

#	Site	Size	Product	Billing	Proxy List	Status	Actions
1	Kith	RA	yeetzj 350 cinder	MaryUS	resis	Capped	▶ 🗑️ ⚙️
2	YeatzjSupply	RA	v. yeetzj 350 cinder	MaryUS	resis	Sending payment...	▶ 🗑️ ⚙️
3	Concepts	RA	yeetzj 350 cinder	MaryUS	resis	Sending payment...	▶ 🗑️ ⚙️
4	YeatzjSupply	RA	v. yeetzj 350 cinder	MaryUS	resis	Capped	▶ 🗑️ ⚙️
5	YeatzjSupply	RA	v. yeetzj 350 cinder	MaryUS	resis	Capped	▶ 🗑️ ⚙️
6	Asda4H7	RA	v. yeetzj 350 cinder	MaryUS40	resis	Capped	▶ 🗑️ ⚙️
7	Footlocker	RA	yeetzj 350 cinder	MaryUS40	resis	Sending payment...	▶ 🗑️ ⚙️
8	Footlocker	RA	yeetzj 350 cinder	MaryUS40	resis	Capped	▶ 🗑️ ⚙️
9	Footlocker	RA	yeetzj 350 cinder	MaryUS40	resis	Sending payment...	▶ 🗑️ ⚙️
10	Livestock-Credit...	RA	Nike Air Max 270 React Travis Scott	ChrisCA	resis	Sending payment...	▶ 🗑️ ⚙️
11	Livestock-Credit...	RA	Nike Air Max 270 React Travis Scott	MaryUS	resis	Sending payment...	▶ 🗑️ ⚙️
12	Underfeared	RA	Nike Air Max 270 React Travis Scott	MaryUS	resis	Capped	▶ 🗑️ ⚙️
13	YeatzjSupply	RA	v. yeetzj 350 cinder	MaryUS	resis	Capped	▶ 🗑️ ⚙️
14	Concepts	RA	sb dunk safari	MaryUS	resis	Sending payment...	▶ 🗑️ ⚙️
15	Concepts	RA	sb dunk safari	MaryUS	resis	Sending payment...	▶ 🗑️ ⚙️
16	Kith	RA	SACA X NIKE LD WAFFLE BLACK	MaryUS	resis	Sending payment...	▶ 🗑️ ⚙️
17	Kith	RA	SACA X NIKE LD WAFFLE BLACK	MaryUS	resis	Sending payment...	▶ 🗑️ ⚙️
18	Kith	RA	Off-White x Air Jordan 5 "Grape"	MaryUS	resis	Sending payment...	▶ 🗑️ ⚙️
19	DTLR	RA	Off-White x Air Jordan 5 "Grape"	MaryUS40	resis	Sending payment...	▶ 🗑️ ⚙️
20	Note	RA	Off-White x Air Jordan 5 "Grape"	MaryUS	resis	Sending payment...	▶ 🗑️ ⚙️



☰ **COMPLEX** MUSIC STYLE POP CULTURE SPORTS LIFE **SNEAKERS** SHOWS BUYER'S GUIDE SHOP

Nike Store Just Canceled the Air Jordan 1 "Chicago" and "Pinnacle" Release Because of Bots

BY JOHN Q MARCELO
Social Media Manager for Complex. Twitter/Instagram: @johnmarcelo

May 29, 2015

NIKE SHOE BOT



TUTORIAL


Best Sneaker Bots in 2020



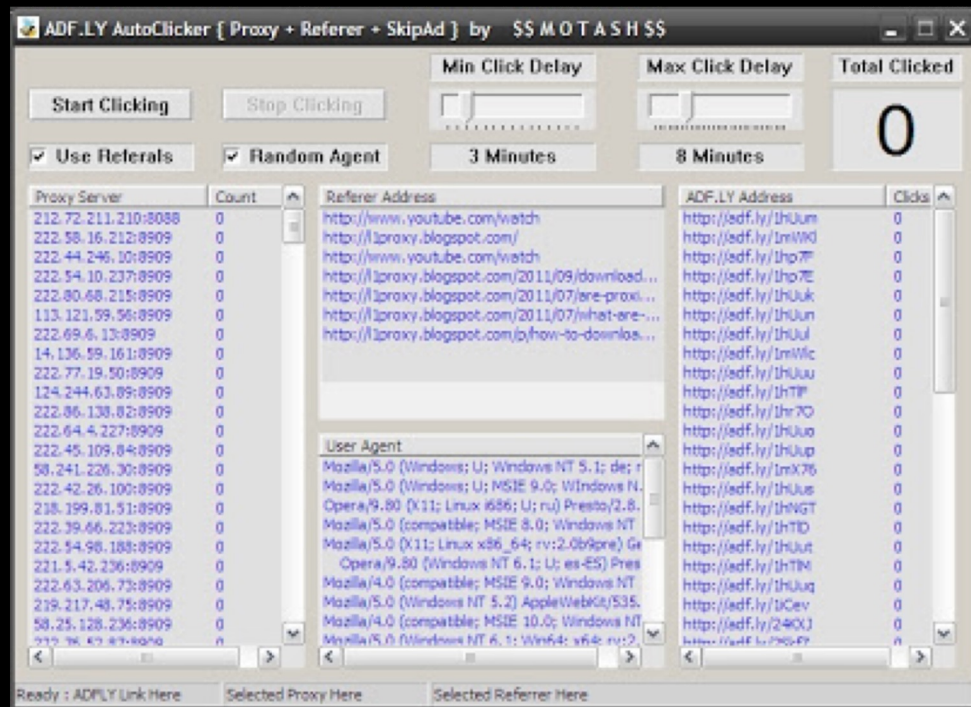
☰ engadget

Online sneaker drop cancelled thanks to bots

The shady practice of using bots to cop sneakers is still causing problems.

 M. DeAngelis | 02.03.20

Click bots will generate fake ad clicks



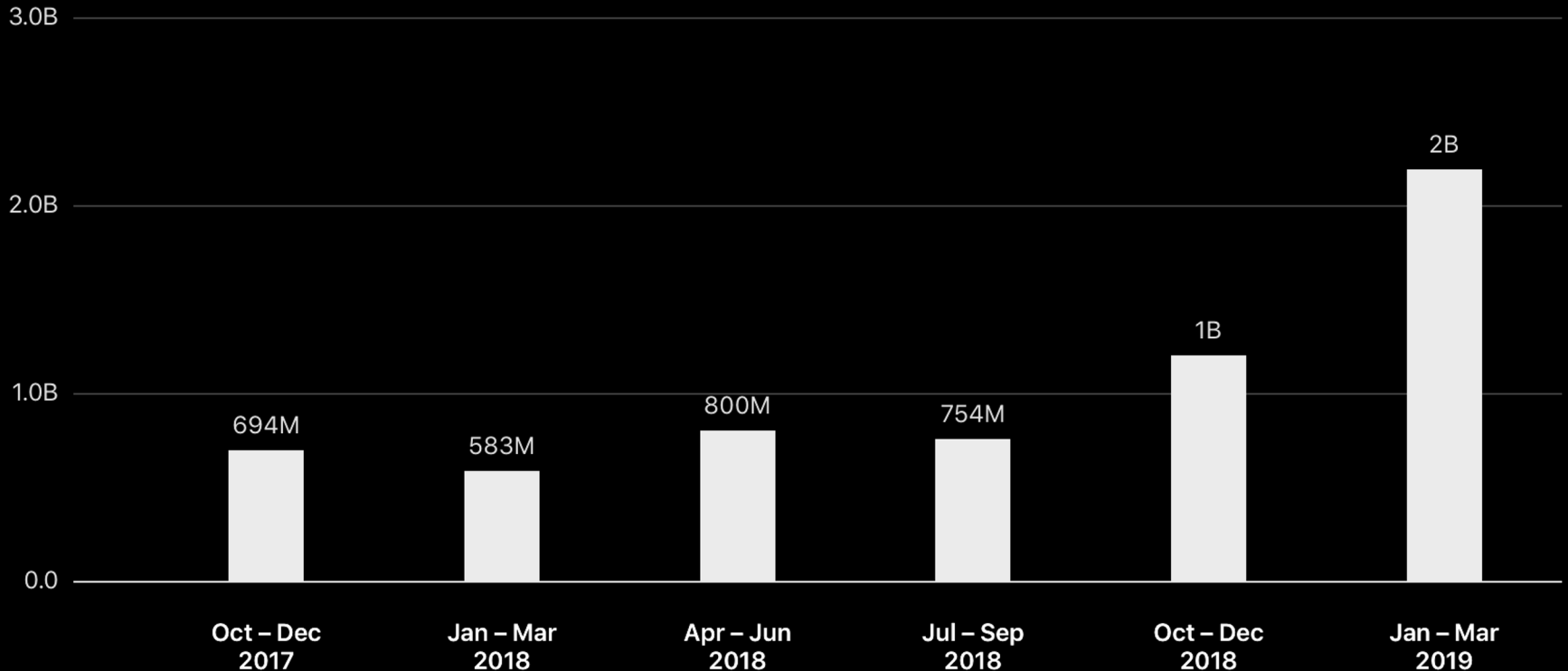
Bot \neq Fake



Many different types of irregular accounts

1	Undeclared bots	Content is algorithmically generated, but pretends to be human
2	Transparent bots	Discloses that it's a bot, retweeting interesting tweets containing certain keywords for example
3	Role bots	Automatically generated content for an organization for a specific purpose, such as @NYTimes tweeting out its own headlines
4	Impersonators	Falsely claim to be someone they are not
5	Transparent multiple accounts	Legitimate users with multiple accounts registered to them, but disclosed, such as @JoeBiden and @POTUS
6	Sockpuppet / burner accounts	People or organizations using multiple undisclosed accounts to look like multiple people
7	Pseudonymous accounts	People using only one account, but under a pseudonym
8	Mass-registered accounts	Thousands or millions of accounts registered en masse by a single organization or individual, mainly for sockpuppet use

Facebook removed >3B fake accounts in 6 mos ...but 43 million still got through





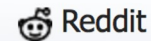
IG



FB



Twitter



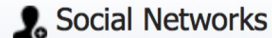
Reddit



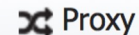
GMail



Other Email services



Social Networks



Proxy

Show all


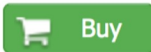





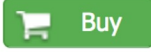
Softreg

Boosted

Aged

[Home](#) / [Facebook](#)

FACEBOOK ACCOUNTS FOR SALE

Softreg	In stock	Price
 <p>FB Accounts Verified by e-mail, there is no email in the set. Sex can be both male and female. The name of the accounts uses the Latin alphabet. The accounts are empty. Accounts are registered in IP addresses of different countries.</p>	6 628 pcs.	Price for each 0.03 \$ 
 <p>FB Accounts Verified by email@rambler.ru. Accounts require confirmation by SMS. Female gender. The name of the accounts uses the Latin alphabet. The accounts are empty. Accounts are registered in IP addresses of Russia.</p>	100 pcs.	Price for each 0.03 \$ 
 <p>FB Accounts Verified by email@seznam.cz. Accounts require confirmation by SMS. Female gender. The name of the accounts uses the Latin alphabet. An profile picture and other details are added to the profile, the profile is filled. Accounts are registered in IP addresses of Russia.</p>	643 pcs.	Price for each 0.06 \$ 
 <p>FB Accounts Verified by e-mail@hotmail.com. E-Mail address requires confirmation by SMS. Female gender. The name of the accounts uses the Latin alphabet. The accounts are empty. Accounts are registered in IP addresses of different countries.</p>	5 128 pcs.	Price for each 0.07 \$ 

Biggest security problem in the
world: stolen passwords

PRIVACY AND SECURITY

Mother of All Breaches Exposes 773 Million Emails, 21 Million Passwords



Victoria Song

1/17/19 10:40am • Filed to: YES YOU'VE BEEN PWNED ▾



1.6M



269



18

			
---	---	---	---





Go !!



Abort

Site:

Switch Site:

Progress:

0%

List:

Settings

General



HTTP Header



Proxy Settings



Fake Settings



Keywords

Lists

History

Tools

Progression

About

Site Settings

Timeout (s): 30

Bot relaunch delay (s): 0

 Resolve Hostname**Combo Settings** <USER>:<PASS> filter: Apply same rules for <USER> and <PASS>

Minimum Length: 6

Maximum Length: 8

 Letters Digits Alphanumeric Email

Forbidden Chars:

Allowed Chars:

 Lowercase and Uppercase Letter and Digit Special Character <EMAIL> filter: Must Be Email**Snap Shots** Enable Snap Shots ?

Load Settings from Snap Shot (*.ini)

Save Settings to Snap Shot

General Settings Save automatically valid usernames and expired combos Save automatically "To Check" combos Annoying sound on Hit ->

Browse

 Popup Memo containing Hit debug information Minimize to Tray Float Statistics in Progression Detect "network lost" conditions while bruteforcing

Progression updates: 0

Images Database ?

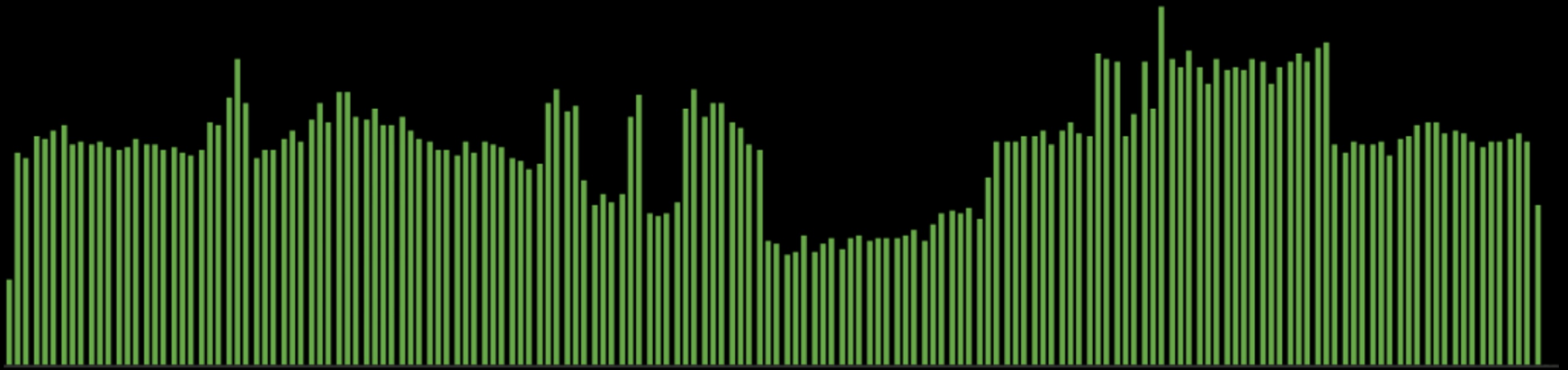
Update Images Database from Directory

Update Images Database from File



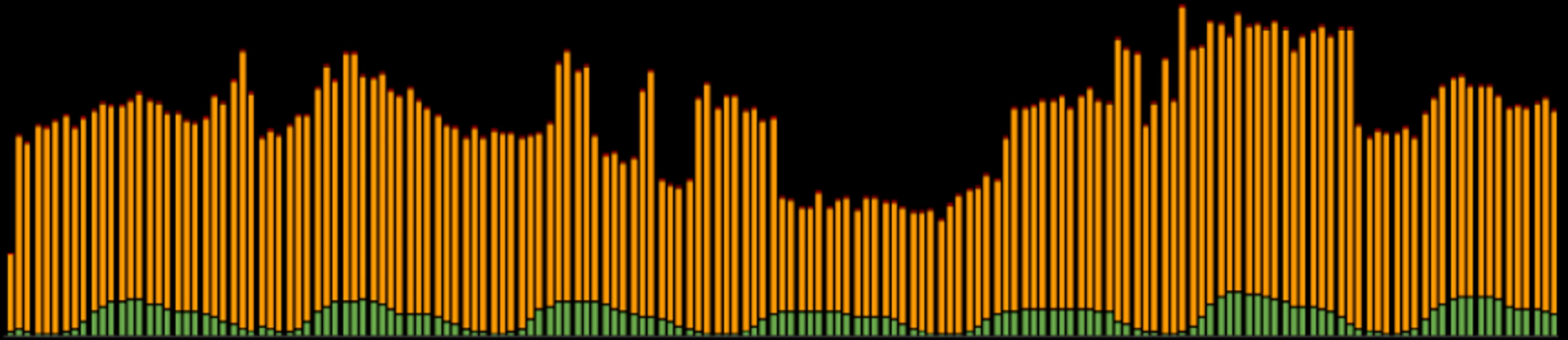
What normal web traffic looks like

Source: F5 Credential Spill Report 2018



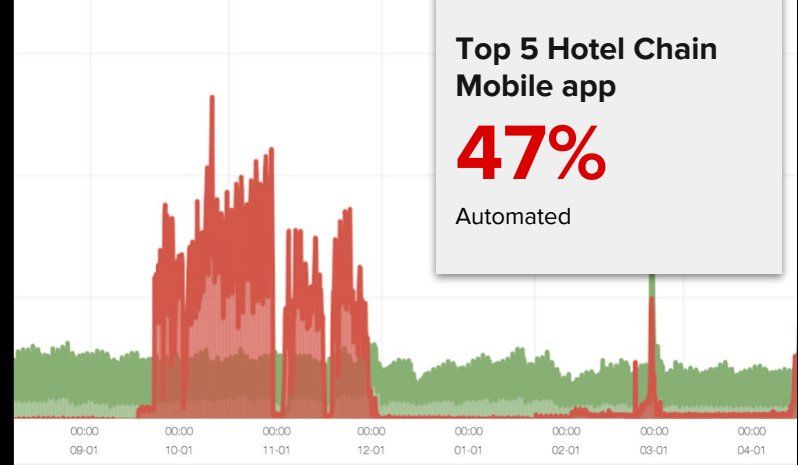
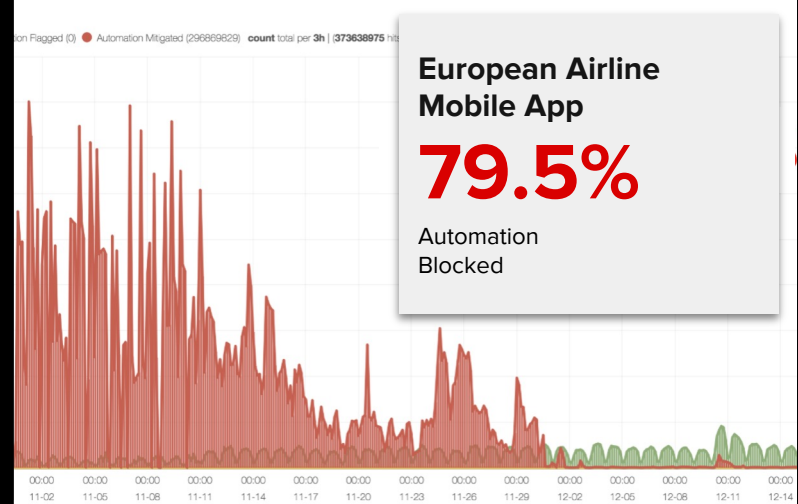
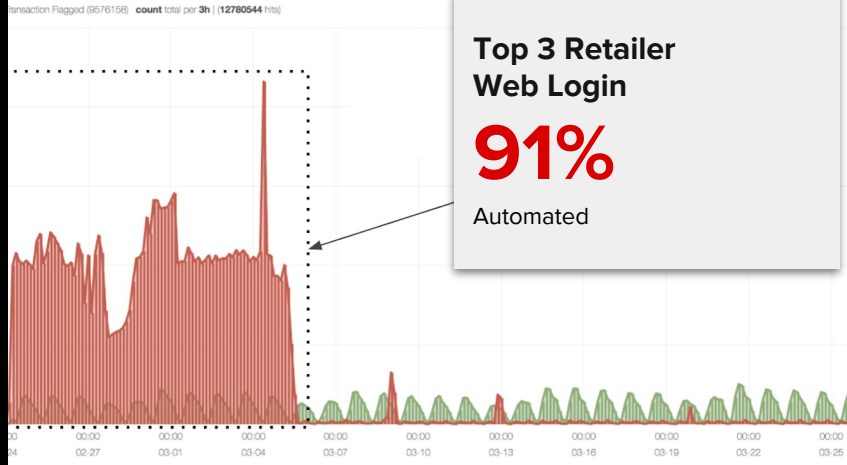
Traffic at a top US retailer

Source: F5 Credential Spill Report 2018



Fake login attempts were 92% of traffic

Source: F5 Credential Spill Report 2018



CAPTCHA invented in 1997 to stop bots

morning overlook

Type the two words:

reCAPTCHA™
stop spam.
read books.

Every day, the world spends 17+ person years solving CAPTCHAs

Verify Your Registration


• Enter the code shown: [More info](#)

This helps prevent automated registrations.



WORD
VERIFICATION

enter the characters
for the symbols shown
in the box below:



= 4 = j = d = n = x = k
 = v = r = h = t = 7 = a

Metal CAPTCHA 🤘



Source: <http://metalcaptcha.heavygifts.com> (now offline)

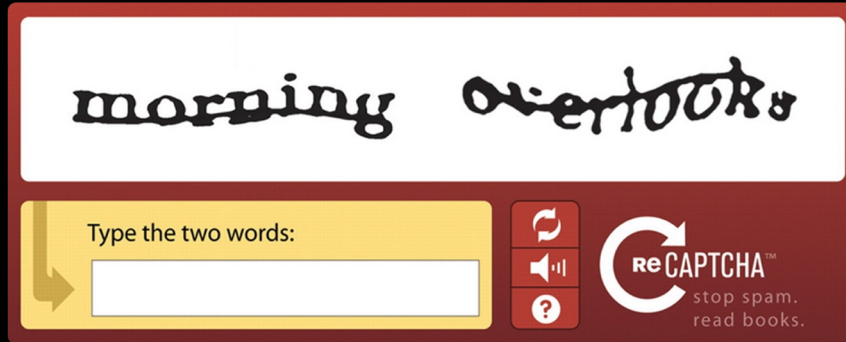
Synthetic distorted text challenges

morning overlook

Type the two words:

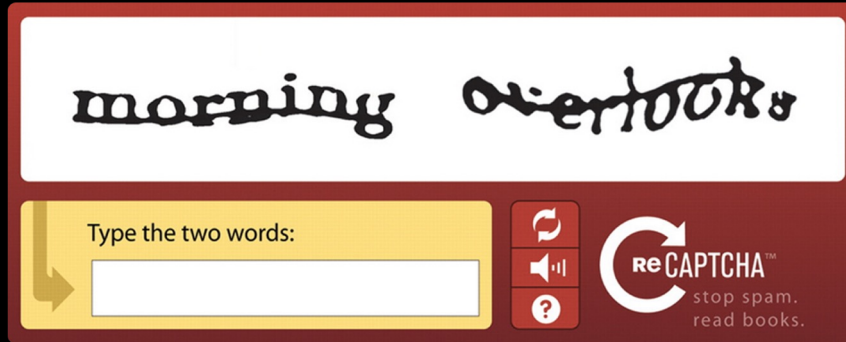
reCAPTCHA™
stop spam.
read books.

Synthetic distorted text challenges



Humans: 33% solve rate

Synthetic distorted text challenges



Humans: 33% solve rate

ML-Based OCR: 99.8% solve rate

Select all squares with

street signs

If there are none, click skip



SKIP

CAPTCHA beating bot services

www.deathbycaptcha.com/user/login

DEATH BY CAPTCHA
FASTEST DISCOUNT CAPTCHA SOLVERS

VITARANK DISCOUNT SEO.
100% GUARANTEED DELIVERY.

SAVE 10% INSTANTLY
USE CODE: **VRDBC**
AT CHECKOUT

English Русский 简体中文

Home F.A.Q. API Order CAPTCHAs DBC Points Testimonials Contact Us Login

STATUS: OK

CAPTCHA Bypass done right

With Death by Captcha you can solve any CAPTCHA. All you need to do is input the text and we'll return the text. It's that easy!

Please note that our services should be used only for research projects and are not intended for illegal activities. Any business and CAPTCHA violations should be reported to the appropriate authorities.

www.beatcaptchas.com/prices.html

Beat Captchas.com

Home Register Prices Imacros Code Contact Login

	<u>Captcha Package Size</u>	<u>Cost Per Captcha</u>	<u>Total Cost</u>
Captcha Prices	1000 Images	\$0.008	\$8.00
How It Works	5000 Images	\$0.007	\$35.00
Buy Captchas	50000 Images	\$0.006	\$300.00

BUY YOUR CAPTCHAS NOW!

Sophisticated disinformation +
Automated distribution = ?

Stages of Disinformation Automation

Stage 1: Possibility

1 person can create 1 piece of convincing fake content

Stage 2: Democratization

1 million people can create 1 million pieces of convincing fake content

Stage 3: Automation

1 person can create 1 million pieces of convincing fake content

How do we protect ourselves
against deepfakes, deception,
and disinformation?



[ANDY GREENBERG](#) SECURITY 01.28.19 04:40 PM

SECURITY ISN'T ENOUGH. SILICON VALLEY NEEDS 'ABUSABILITY' TESTING

In mid-2000s,
people thought
click fraud could
derail online ads

≡ **WIRED** BACKCHANNEL BUSINESS CULTURE GEAR IDEAS SCIENCE MORE ▾

CHARLES C. MANN JAN 1, 2006 12:00 PM

How Click Fraud Could Swallow the Internet

Pay-per-click advertising is big, big, big business. So are bogus hits on Internet ads. It's search giants against scam artists in an arms race that could crash the entire online economy.



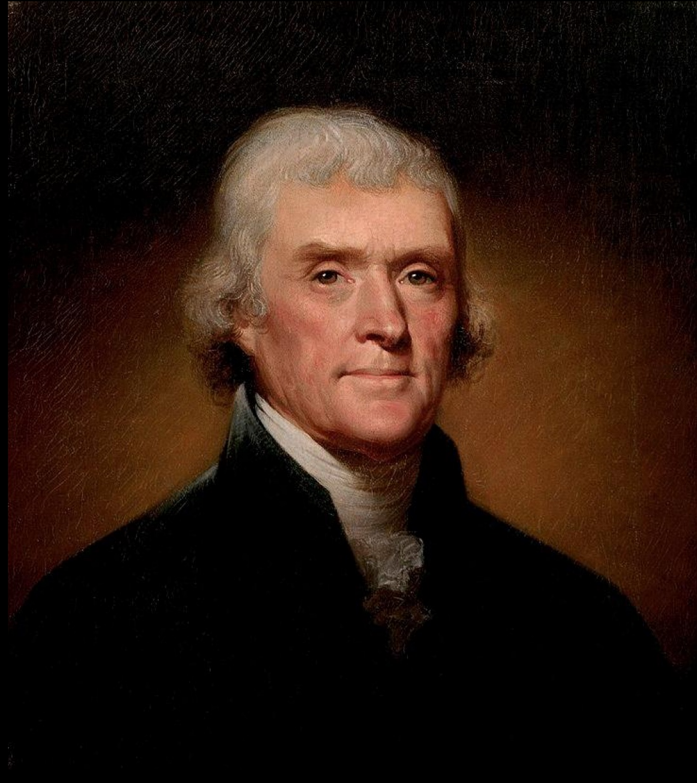
Businesses need good AI to fight bad AI



**As users: be skeptical, verify sources,
be aware of scams and techniques**

“The price of liberty
is eternal vigilance.”

Thomas Jefferson


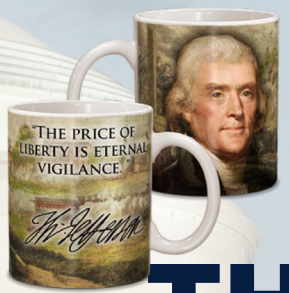


The real quote and author

“The condition upon which
God hath given liberty to
man is eternal vigilance.”

John Philpot Curran, 1790





THANK YOU

Shuman Ghosemajumder
shumang@teachaids.org

in @ f t y w