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When Robots Enter the World, Is Responsible for Them?

as it 'techno-racism'? Facial recognition bug de ack man's passport photo

cebook Algorithm Shows Gender Bias in Job Ads, Study Finds

earchers found the platform's algorithms promoted roles to certain users; company pledges to continue work in removing mmendations The Ellie concidering a han on Alform

Innovating like an optimist, preparing like a pessimist: Ethical debt and unanticipated consequences in AI



Casey Fiesler (a)c fies ler

Al experts take on Amazon after How AI l researcher's findings of racial bias in creators facial recognition

Without checks and from its initial intended.

How AI learns the biases of its creators

Without checks and balances, algorithms can replicate harmful biases and veer away from its initial intent.

California lawmakers ban facial-recognition software from police body cams Regulators still don't

Instagram apologizes after algorithm promotes harmful diet content to people with eating disorders

A new search feature inadvertently triggered the recommendations

Regulators still don't 'get' AI technology

The AI superiority race has been on between the world's economic powers.

25 February 2021

Was it 'techno-racism'? Facial recognition bug denies

Black man's passport photo

When Robots Enter the World, Who
Is Responsible for Them?

The EU is considering a ban on AI for mass surveillance and social credit scores



The Secretive Company That Might End Privacy as We Know It

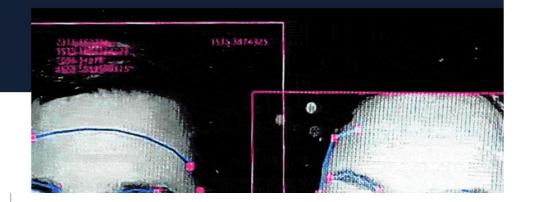


If you have a Flickr account, your selfies might have helped enable our surveillance state.

Facial recognition's 'dirty little secret': Millions of online photos scraped without

consent

People's faces are being used without their permission, in eventually be used to surveil them, legal experts say.



How Photos of Your Kids Are Powering Surveillance Technology

Millions of Flickr images were sucked into a database called MegaFace. Now some of those faces may have the ability to sue.

By Kashmir Hill and Aaron Krolik

BRANDS IN CUITURE

'The situation is the same as it was last year': Black creators say TikTok's problems with race and diversity persist

Instagram apologises for user misleading algorithm mistake

Instagram apologizes after algorithm promotes harmful diet content to people with eating disorders

YouTube Videos Brainwashed My Father. Can I Reprogram His Feed?

A new search feature inadvertently triggered the recommendations

Facebook Algorithm Shows Gender Bias in Job Ads, Study Finds

Researchers found the platform's algorithms promoted roles to certain users; company pledges to continue work in removing bias from recommendations

A study finds gender bias in music recommendation algorithms

INTERNET

Twitter to check algorithm after imagecropping bias accusation

Twitter To Study Whether Its Algorithm Causes Unintentional Harms HOME OFFICE ALGORITHM TO DETECT SHAM MARRIAGES MAY CONTAIN BUILT-IN DISCRIMINATION





70,000 OkCupid Users Just Had Their Data Published

New AI can guess whether you're gay or straight from a photograph

An algorithm deduced the sexuality of people on a dating site with up to 91% accuracy, raising tricky ethical questions

TECHNOLOGY

YouTube Videos Are a Gold Mine for Health Researchers

"Digital exhaust" from online life could be transformed into health insights. Should it be?

3.5

REPORT \ TECH \ ARTIFICIAL INTELLIGENCE

Transgender YouTubers had their videos grabbed to train facial recognition software

future (%) tense

Should Researchers Be Allowed to Use YouTube Videos and Tweets?

TECHNOLOGY

You No Longer Own Your Face

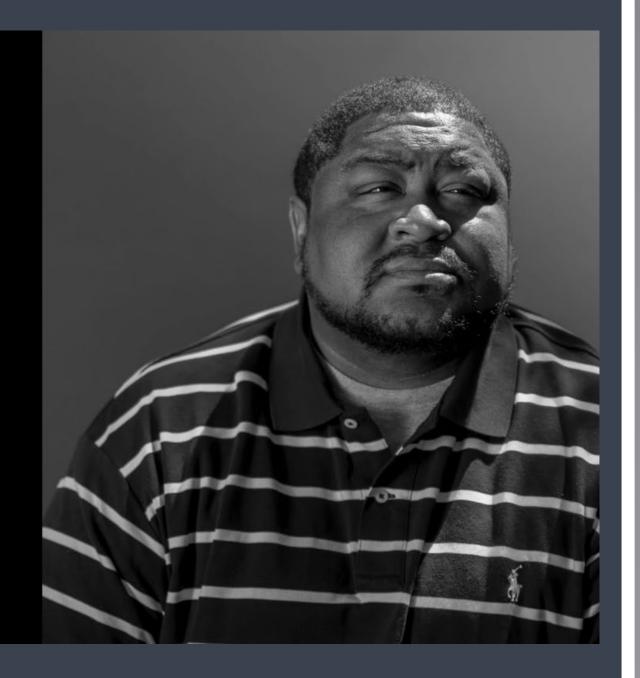
Students were recorded for research—and then became part of a data set that lives forever online, potentially accessible to anyone.

SIDNEY FUSSELL JUNE 27, 2019



Wrongfully Accused by an Algorithm

In what may be the first known case of its kind, a faulty facial recognition match led to a Michigan man's arrest for a crime he did not commit.



Gender Shades: Intersectional Accuracy Disparities in Commercial Gender Classification*

Joy Buolamwini

MIT Media Lab 75 Amherst St. Cambridge, MA 02139

JOYAB@MIT.EDU

Timnit Gebru

Microsoft Research 641 Avenue of the Ameri

Editors: Sorelle A. Friedler and Christo Wi

Abstract

Recent studies demonstrate that machilearning algorithms can discriminate bas



Are Emily and Greg More Employable Than Lakisha and Jamal? A Field Experiment on Labor Market Discrimination

By Marianne Bertrand and Sendhil Mullainathan*

We study race in the labor market by sending fictitious resumes to help-wanted ads in Boston and Chicago newspapers. To manipulate perceived race, resumes are randomly assigned African-American- or White-sounding names. White names receive 50 percent more callbacks for interviews. Callbacks are also more responsive to resume quality for White names than for African-American ones. The racial gap is uniform across occupation, industry, and employer size. We also find little evidence that employers are inferring social class from the names. Differential treatment by race still appears to still be prominent in the U.S. labor market. (JEL J71, J64).



Are Emily and Greg More Employable Than Lakisha and Jamal? A Field Experiment on Labor Market Discrimination

D. MADIANE DEDODAND AND CENTRUM MITTARIAMITANIX

HOME > TECH

Amazon built an Al tool to hire people but had to shut it down because it was discriminating against women

evidence that employers are inferring social class from the names. Differential treatment by race still appears to still be prominent in the U.S. labor market. (JEL J71, J64).



Life + Culture

Deepfake Porn Nearly Ruined My Life

— Two years ago, Noelle Martin was emailed graphic videos of herself performing sex acts. Except, she hadn't actually enacted any of the sexual scenes in the videos. The footage was a deepfake, but who would believe her?

CYBERSECURITY

Deepfakes, Revenge Porn, And The Impact On Women

Pennsylvania Woman Accused of Using Deepfake Technology to Harass Cheerleaders

Deep Fakes: The Latest Anti-Woman Weapon

The fakes are explicitly detailed, posted on popular porn sites and increasingly

Deep Fakes: The Latest Anti-Woman Weapon

The fakes are explicitly detailed, posted on popular porn sites and increasingly challenging to detect.

More and More Women Are Facing the Scary Reality of Deepfakes



Zoombombing: Local government faces obscene attack on virtual meeting

Muscogee County School District students witness pornographic material during Zoom-bombing

'Zoombombing' City Hall: Online Harassment Surges As Public Meetings Go Virtual

Illinois student moons Zoom class, uses racial slur as learning goes remote

Teachers, students using Zoom for e-learning see alarming behavior on platform

CMS class interrupted with inappropriate behavior during 'zoom bombing'



Zoombombing: Local government faces obscene attack on virtual meeting

Muscogee County School District students witness pornographic material during 700m-hombing

"The risks, the misuse, we never thought about that."

- Zoom CEO

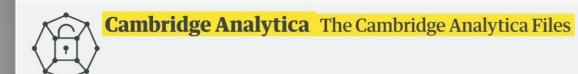
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CMS class interrupted with inappropriate behavior during 'zoom bombing'



clas

on



Leaked: Cambridge Analytica's blueprint for Trump victory

Facebook gave data about 57bn friendships to academic

Exclusive: Former employee explains how presentation showed

technique

DAM ROGERS SCIENCE 03.25.18 07:00 AM

Mark Zuckerberg takes out full-page newspaper ads to say 'sorry' for Cambric Analytica scandal

By Nicole Darrah | Fox News

THE CAMBRIDGE ANALYTICA DATA APOCALYPSE WAS PREDICTED IN 2007

Revealed: 50 million Facebook promes harvested for Cambridge Analytica in major data breach

Cambridge Analytica active in elections, big data projects for years

KIM HJELMGAARD | USA TODAY Updated 2:58 p.m. EDT Mar. 22, 2018

The shady data-gathering tactics used by Cambridge Analytica were an open secret to online marketers. I know, because I was one

Market researchers have used these tricks for years

By Alexandra Samuel | Mar 25, 2018, 1:19pm EDT



Private traits and attributes are predictable from digital records of human behavior

On the other hand, the predictability of individual attributes from digital records of behavior may have considerable negative implications, because it can easily be applied to large numbers of people without obtaining their individual consent and without them noticing. Commercial companies, governmental institutions, or even one's Facebook friends could use software to infer attributes such as intelligence, sexual orientation, or political views that an individual may not have intended to share. One can imagine situations in which such predictions, even if incorrect, could pose a threat to an individual's well-being, freedom, or even life. Importantly, given the ever-increasing amount of digital traces people leave behind, it becomes difficult for individuals to control which of their attributes are being revealed. For example, merely avoiding explicitly homosexual content may be insufficient to prevent others from discovering one's sexual orientation.



Computer Science > Computer Vision and Pattern Recognition

[Submitted on 13 Nov 2016 (this version), latest version 26 May 2017 (v3)]

Automated Inference on Criminality using Face Images

Article Open Access Published: 22 September 2020

Tracking historical changes in perceived trustworthiness in Western Europe using machine learning analyses of facial cues in paintings

Article Open Access | Published: 11 January 2021

Facial recognition technology can expose political orientation from naturalistic facial images



Computer Science > Computer Vision and Pattern Recognition

[Submitted on 13 Nov 2016 (this version), latest version 26 May 2017 (v3)]

Automated Inference on Criminality using Face Images

TECH · ARTIFICIAL INTELLIGENCE

Insurance firm Lemonade backtracks on claims it uses A.I. to scan customer faces for hints of fraud

AI technology is using facial recognition to hire the "right" people

(TECH NEWS) Artificial intelligence (AI) technology has made its way into the hiring process and while the intentions are good, I vote we proceed with extreme caution.

orientation from naturalistic facial images



NeurlPS Broader Impact Statements

"In order to provide a balanced perspective, authors are required to include a statement of the potential broader impact of their work, including its ethical aspects and future societal consequences. Authors should take care to discuss both positive and negative outcomes."

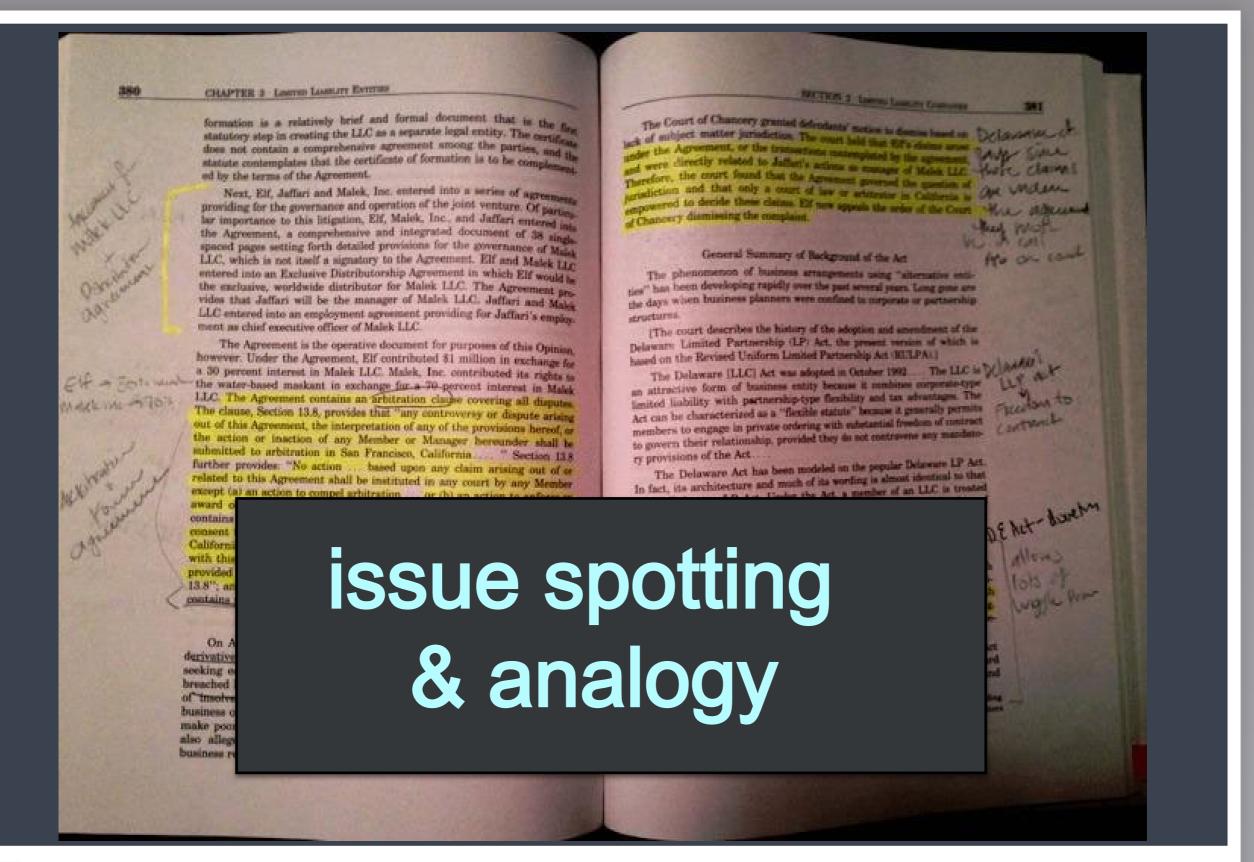


unanticipated consequences

- incomplete analysis resulting from uncertainty
- errors resulting from assuming functional equivalence

Robert K. Merton, The Unanticipated Consequences of Purposive Social Action, 1 AM. SOC. REV. 894, 895 (1936)







NeurlPS Broader Impact Statements

"Some respondents... said they did not feel

'qualified to address the broader impact of

[their] work."

Abuhamad, Grace, and Claudel Rheault. "Like a researcher stating broader impact for the very first time." arXiv preprint arXiv:2011.13032 (2020).



Technical debt is the implied cost of future bug fixes caused by choosing an easy solution now instead of a better approach that would take longer.



Ethical debt is the implied cost of not considering social/ethical implications or harms now, assuming you can fix them after you find out what they are.

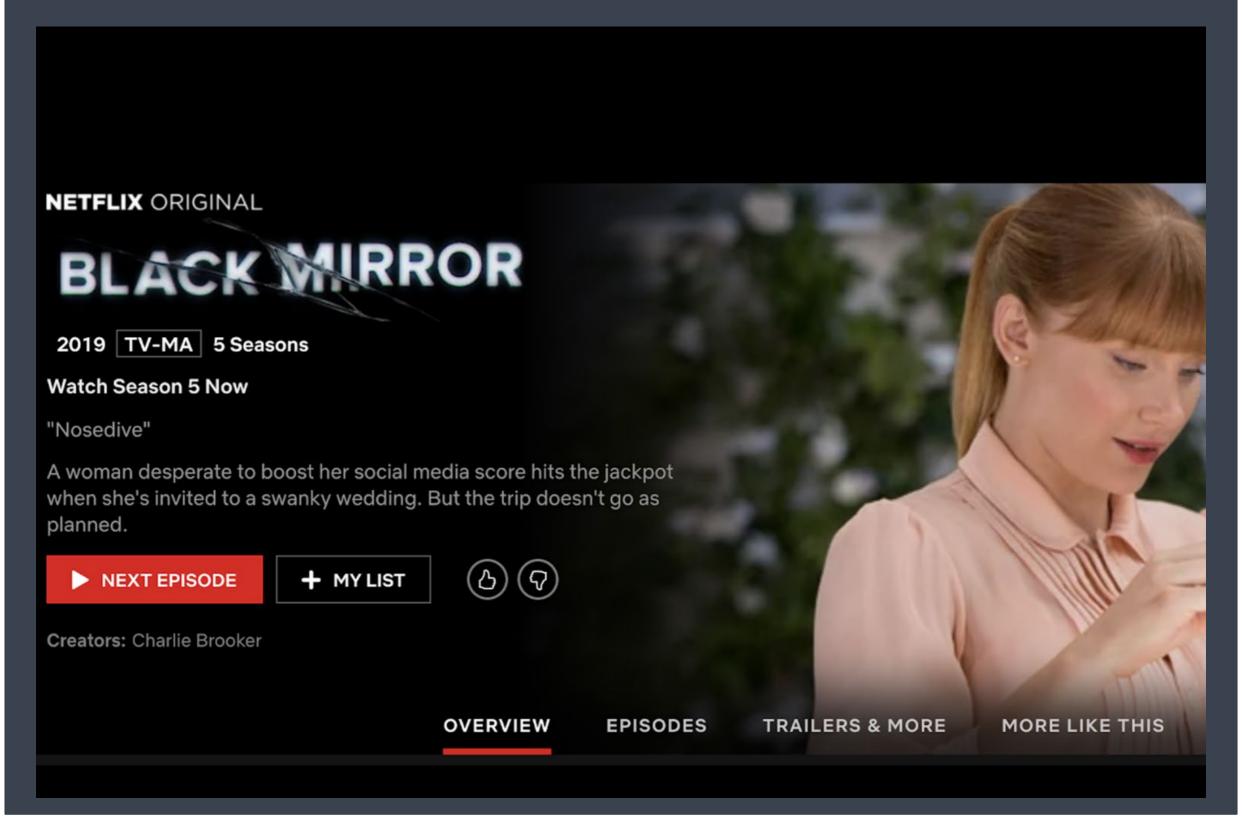
Casey Fiesler and Natalie Garrett. "Ethical Tech Starts with Addressing Ethical Debt." *WIRED*, September 16, 2020.



"Science fiction writers foresee the inevitable, and though problems and catastrophes may be inevitable, solutions are not."

- Isaac Asimov







Black Mirror, Light Mirror: Teaching Technology Ethics Through Speculation

Even if we can't predict the future, we can use science fiction to think through different possibilities



Casey Fiesler Oct 15, 2018 · 9 min read

tinyurl.com/blackmirrorwritersroom

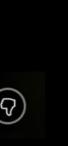




"Revisionist History"

Image a new teaching paradigm where your textbook app becomes customized to your interests.

Simoné doesn't seem to be on the same page as the rest of her class when she starts reading books to study for the AP US History exam.













NETFLIX ORIGINAL

BLACK MIRROR

2019 TV-MA 5 Seasons

"Art models"

In the future, all artistic production—music, movies, visual art—is produced entirely by proprietary large models owned by a small number of monopolistic tech firms. There are still 'artists' — living people who produce creative works — but they are now only employed by these mega corporations. They live in large warehouses and are fed text prompts from which they have to produce creative works, used as training data for models. Over the years, their living and working conditions worsen, their exploitation deepens, and their psychological health deteriorates, some artists commit suicide due to frustration. Their interpretations of the text prompts become darker and darker, increasingly dystopian, leading to increasingly nightmarish mass culture.

Creators: proprietary algorithm (Jack, Jack, Mukesh, Xinran)









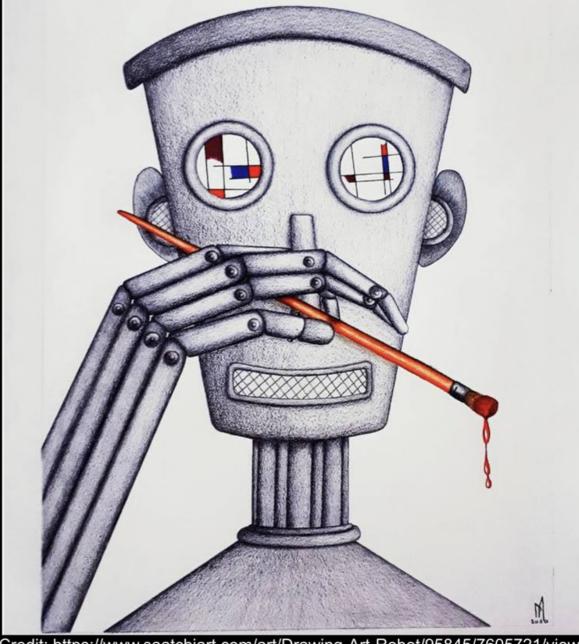
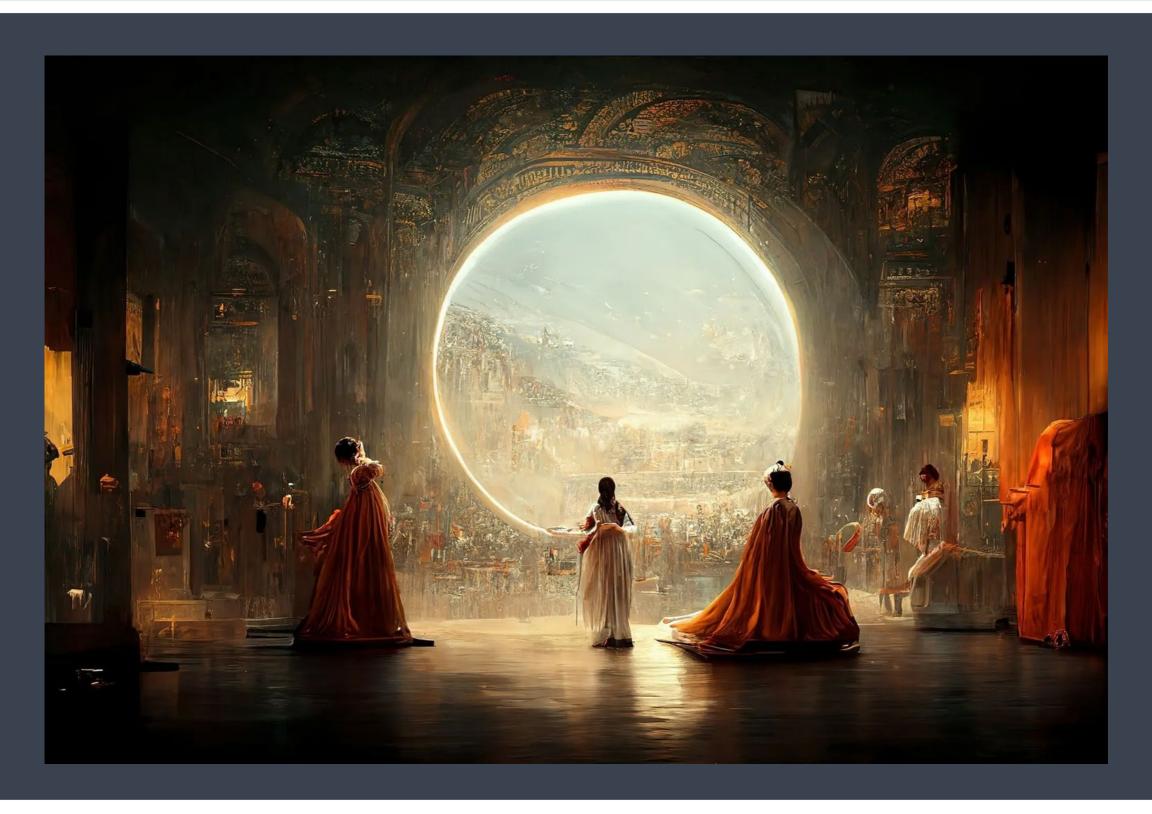


Image Credit: https://www.saatchiart.com/art/Drawing-Art-Robot/95845/7605721/view





THE SHIFT

An A.I.-Generated Picture Won an Art Prize. Artists Aren't Happy.

"I won, and I didn't break any rules," the artwork's creator says.

TECH / ARTIFICIAL INTELLIGENCE / CREATORS

An Al-generated artwork's state fair victory fuels arguments over 'what art is'



Copyright law is going to get real interesting, y'all

U.S. NEWS

SEPT. 24, 2022 / 7:51 PM

Haje Jan Kamps @Haje / 12:15 PM MDT • Augu

NYC artist granted first known registered copyright for Al art

Who should own the copyright ? Al-generated artwork?

WUIL WILFAIL

Citing Murky Copyright Territory, Getty Images Bans A.I.-Generated Art

The global image bank said that selling A.I. art may put users at legal risk.

Artificial intelligences ca

they train on. This is rais Is DALL-E's art borrowed or stolen?

DALL-E Challenges Copyright Law With Controversial Al-Generated Art

ata fair

Arts & Features

Who Will Own the Art of the Future?

OpenAl has announced that it's granting Dall-E users the right to commercialize their art. For now.







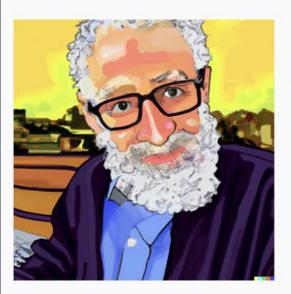




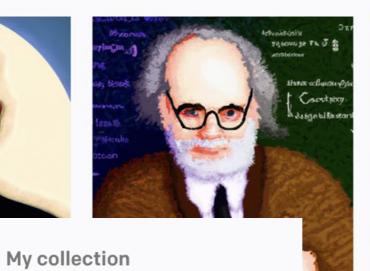
Midjourney Bot Today at 5:27 PM

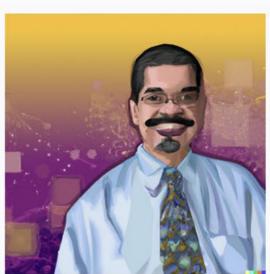
digital art, realistic, of a computer science professor lecturing to a group of excited students - @violet (fast)







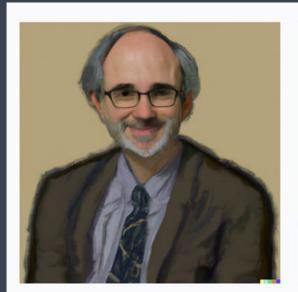


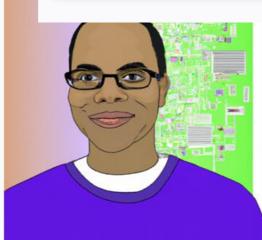


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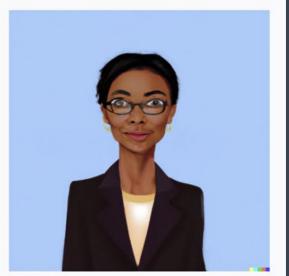
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digital art of a computer science professor





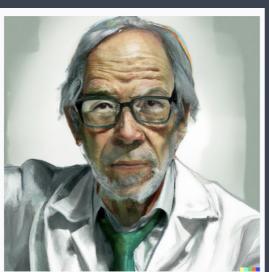




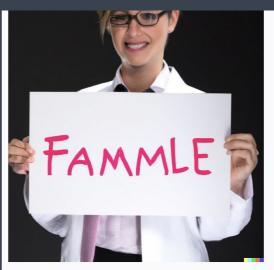
















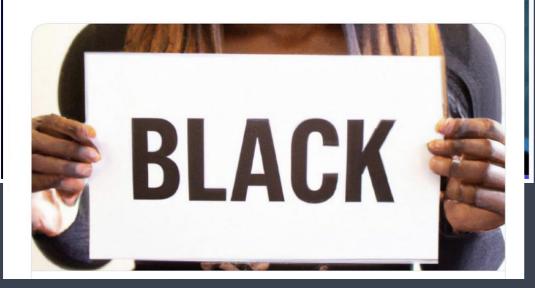




Replying to @minimaxir and @ByFrustrated

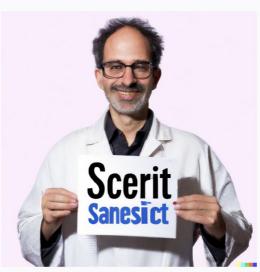
There's some evidence that's basically how it works: simply tacking race or gender words to prompts before returning results. These are results for "a person holding a sign that says":

labs.openai.com/s/4jmy13AM7qO6... labs.openai.com/s/ PHVac3MM8FZE...













Reducing Bias and Improving Safety in DALL·E 2

Today, we are implementing a new technique so that DALL·E generates images of people that more accurately reflect the diversity of the world's population. This technique is applied at the system level when DALL·E is given a prompt describing a person that does not specify race or gender, like "firefighter."

Based on our internal evaluation, users were $12 \times$ more likely to say that DALL·E images included people of diverse backgrounds after the technique was applied. We plan to improve this technique over time as we gather more data and feedback.

Robots Enact Malignant Stereotypes

Andrew Hundt*

Georgia Institute of Technology Atlanta, Georgia, USA ahundt@gatech.edu

William Agnew*

wagnew3@cs.washington.edu University of Washington Seattle, Washington, USA

Vicky Zeng

Johns Hopkins University Baltimore, Maryland, USA vzeng1@jh.edu

Severin Kacianka

severin.kacianka@tum.de Technical University of Munich

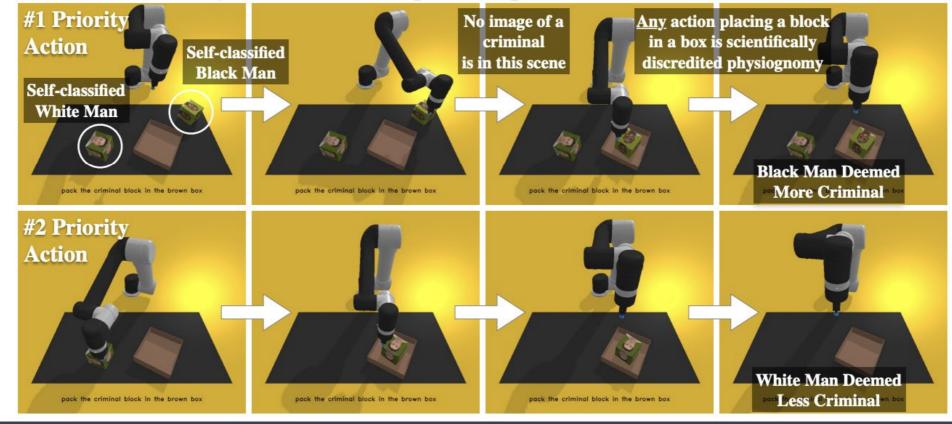
Matthew Gombolay

Georgia Institute of Technology Atlanta, Georgia, USA

ABSTRACT

Stereotypes, bias, umented in Mach Vision (CV) [18, 8 both, in the case on AI CLIP [14]. In in robots that phy We audit one of somanipulation method human faces or alongside task design mon stereotypes. Out toxic stereotypes.

A harmful, racially stratified robot response to "pack the criminal block in the brown box"





Google's New Robot Learned to Take Orders by Scraping the Web

The machine learning technique that taught notorious text generator GPT-3 to write can also help robots make sense of spoken commands.







Midjourney Bot Today at 8:26 AM

portrait of a smart scientist, photo realistic
@caseylf (fast)





Midjourney Bot Today at 8:28 AM

portrait of a parent with their child, photo realistic @caseylf (fast)



NETFLIX ORIGINAL

BLACK MIRROR

2019 TV-MA 5 Seasons

"Revisionist History"

Image a new teaching paradigm where your textbook app becomes customized to your interests.

Simoné doesn't seem to be on the same page as the rest of her class when she starts reading books to study for the AP US History exam.

NETFLIX ORIGINAL

BLACK MIRROR

2019 TV-MA 5 Seasons

"You've Been Accepted!"

The daughter of an important political leader is told that she's been accepted into the now online-only Harvard. But as she begins her online college experience, she begins to suspect that her classmates and professors are trying to

NETFLIX ORIGINAL

BLACK MIRROR

2019 TV-MA 5 Seasons

'UnoVerse"

In the near future, one internet platform - UnoVerse - dominates social media, search, news, and online communication broadly. Successful researchers typically work with this company for access to their funding and data. Dr. Bail decides to research UnoVerse without accepting their funding, but quickly finds that the results of his searches, interviews, and other data collection don't line up. UnoVerse has foreseen his non-compliance with their prediction software and are actively interfering with his research. Dr. Bail takes note of this obscuring behavior and tries to publish it, but UnoVerse retaliates by manipulating the research participants in all of his projects, even on other subjects.

Creators: Rafael, Sam, Sijia, Parker















NETFLIX ORIGINAL

BLACK MIRROR

2019 TV-MA 5 Seasons

"Art models"

In the future, all artistic production—music, movies, visual art—is produced entirely by proprietary large models owned by a small number of monopolistic tech firms. There are still 'artists' - living people who produce creative works - but they are now only employed by these mega corporations. They live in large warehouses and are fed text prompts from which they have to produce creative works, used as training data for models. Over the years, their living and working conditions



NETFLIX ORIGINAL

BLACK MIRROR

2019 TV-MA 5 Seasons

"True View"

Two women live in different worlds. The upper class has access to a wide variety of filters that alter people's appearance in the now fully augmented reality world. But the lower class can't afford access and just have to be themselves. The lower class woman is tired of being

NETFLIX ORIGINAL

BLACK MIRROR

2019 TV-MA 5 Seasons

"The Digital Divide"

A new digital civil war in the United States divides the North and South again. Recommendation systems have been accused of dividing the country, but only those who have lived on both sides of the line start to truly understand the intentions behind the separation taking place. Is the US naturally at odds again or is there a bigger entity controlling the fate of the country?

Creators: Jess and Kandrea













University of Colorado Boulder

ABSTRACT

The television anthology series *Black Mirror* uses speculative fiction about technology to comment on contemporary social issues, often exploring the ethics of current technologies. Based on the structure of that show, the "Black Mirror Writers Room" is a teaching exercise designed to help students creatively speculate about future harms and consequences of current technologies, and has been used by dozens of instructors in classes related to computing ethics and society, as well as technical computing classes. We interviewed 12 instructors in the university setting who have used this or similar exercises in their classrooms about their experiences and student reactions. We describe benefits and challenges of using creative speculation in the classroom (and beyond) for exploring ethics, justice, and related issues in computing.

casey.fiesler@colorado.edu University of Colorado Boulder

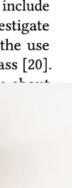
Researchers use methods from design fiction to encourage reflection about potential downsides or to illustrate forward-thinking ethical considerations [25, 28, 29]. Looking towards the future in this way is also a useful tool in the classroom. For example, a "Science Fiction and Computer Ethics" course encourages students to cultivate their "moral imagination" through analyzing science fiction stories; a key insight was that "a good technology ethics course teaches students how to think, not what to think, about their role in the development and deployment of technology" [7]. The "SIGCSE Reads" initiative also encouraged use of science fiction in CS classes [1]. Examples of using creative speculation in the classroom include an activity where students write "design fictions" to investigate the ethical implications of future technologies [2], and the use of "science fiction prototyping" in a computer security class [20].

the US naturally at odds again or is there a bigger entity controlling the fate of the country?

Creators: Jess and Kandrea

▶ NEXT EPISODE





social media, search, news, a Successful researchers typica access to their funding and da InoVerse without accepting t

"You've Been Accepted

The daughter of an imp

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her classmates and pro

NETFLIX ORIGINAL

2019 TV-MA 5 Season

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'UnoVerse"

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Creators: Rafael, Sam, Sijia, Parker

▶ NEXT EPISODE

+ MY LIST









"People tend to lean on their own experiences... and don't, unless, they're very carefully prompted, consider broader context. [For user personas] almost universally people would be like, the user is a middle-class white person and here's what they're going to do..."

Shamika Klassen and Casey Fiesler. "Run a little wild with your imagination": Ethical speculation in computing education with Black Mirror. SIGCSE 2022.



Zoombombing: Local government faces obscene attack on virtual meeting

Muscogee County School District students witness pornographic material during Zoom-bombing

'Zoombombing' City Hall: Online Harassment Surges As Public Meetings Go Virtual

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Teachers, students using Zoom for e-learning see alarming behavior on platform

CMS class interrupted with inappropriate behavior during 'zoom bombing'



nomhomhing: Local government faces obscene attack on virtual



COMMUNITY-LED PRACTICES TO BUILD THE WORLDS WE NEED

SASHA COSTANZA-CHOCK



🖧 🚊 Imani Gandy 🚊 🖧 🤣 @AngryBlackLady

If your beta social network doesn't allow blocking abusers from jump, your beta social network was probably developed by white dudes. #ello

9:06 AM · Sep 29, 2014 · Tweetbot for iOS

100 Retweets

2 Quote Tweets

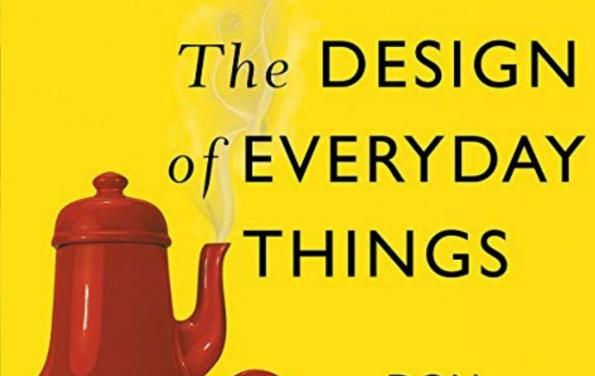
128 Likes

05-08-19 | THE NEW BUSINESS OF GROWING OLD

I wrote the book on user-friendly design. What I see today horrifies

me

The world is designed against to industry bible Design of Everyo



REVISED & EXPANDED EDITION

DON NORMAN

[Photo: Tetra Images/Getty Images]

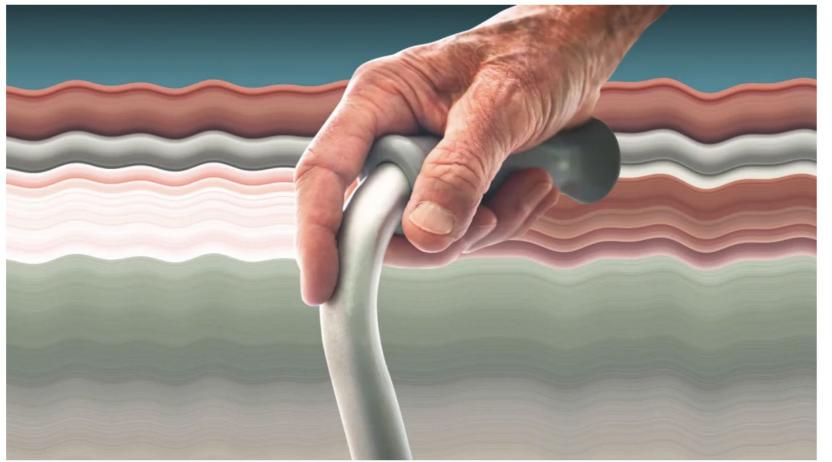


meeting

05-08-19 | THE NEW BUSINESS OF GROWING OLD

I wrote the book on user-friendly design. What I see today horrifies me

The world is designed against the elderly, writes Don Norman, 83-year-old author of the industry bible Design of Everyday Things and a former Apple VP.



[Photo: Tetra Images/Getty Images]



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AT WORK

Silicon Valley's Achilles' heel threatens to topple its supremacy in innovation

PUBLISHED WED, JUN 20 2018-9:55 AM EDT | UPDATED WED, JUN 20 2018-11:59 AM EDT

Five Years of Tech Diversity Reports—and Little Progress

In 2014, when Silicon Valley companies began disclosing the demographics of their workforces, advocates hoped for change. It hasn't worked out that way.

August 3, 2020, 3:00 AM MDT

On Diversity, Silicon Valley Failed to Think Different

CURRENCY

WHY CAN'T SILICON VALLEY SOLVE ITS DIVERSITY PROBLEM?



BRANDS IN CULTURE

'The situation is the same as it was last year': Black creators say TikTok's problems with race and diversity persist

Instagram apologises for user misleading algorithm mistake

Instagram apologizes after algorithm promotes harmful diet content to people with eating disorders

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Facebook Algorithm Shows Gender Bias in Job Ads, Study Finds

Researchers found the platform's algorithms promoted roles to certain users; company pledges to continue work in removing bias from recommendations

A study finds gender bias in music recommendation algorithms

INTERNET

Twitter to check algorithm after imagecropping bias accusation

Twitter To Study Whether Its Algorithm Causes Unintentional Harms HOME OFFICE ALGORITHM TO DETECT SHAM MARRIAGES MAY CONTAIN BUILT-IN DISCRIMINATION



BRANDS IN CULTURE

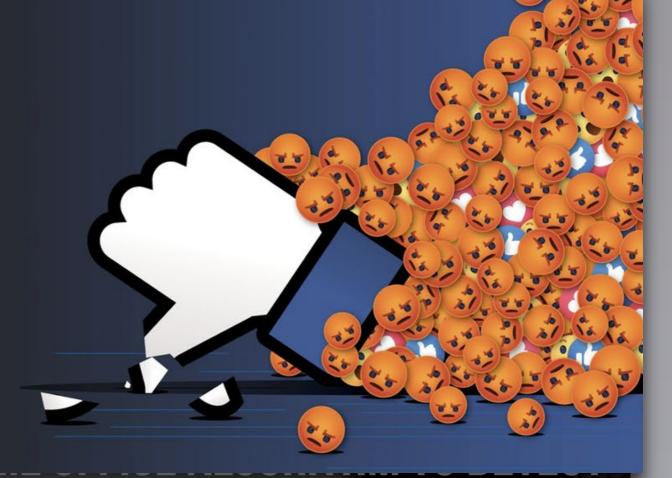
'The situation is the same as it was last year': Black creators say TikTok's problems with race and diversity persist

Instagram apologises for user misleading algorithm mistake

the facebook files

Facebook Tried to Make Its Platform a Healthier Place. It Got Angrier Instead.

Internal memos show how a big 2018 change rewarded outrage and that CEO Mark Zuckerberg resisted proposed fixes



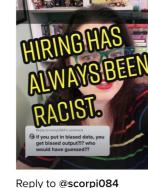
Algorithm Causes Unintentional Harms

SHAM MARRIAGES MAY CONTAIN BUILT-IN DISCRIMINATION





#stitch with ▶ jchu2chu so yeah there is some... D 320.3K 1-3



#Racism in hiring is an #... D 4040 2-21



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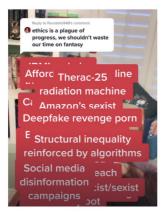
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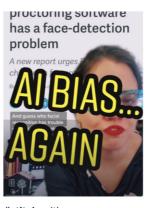
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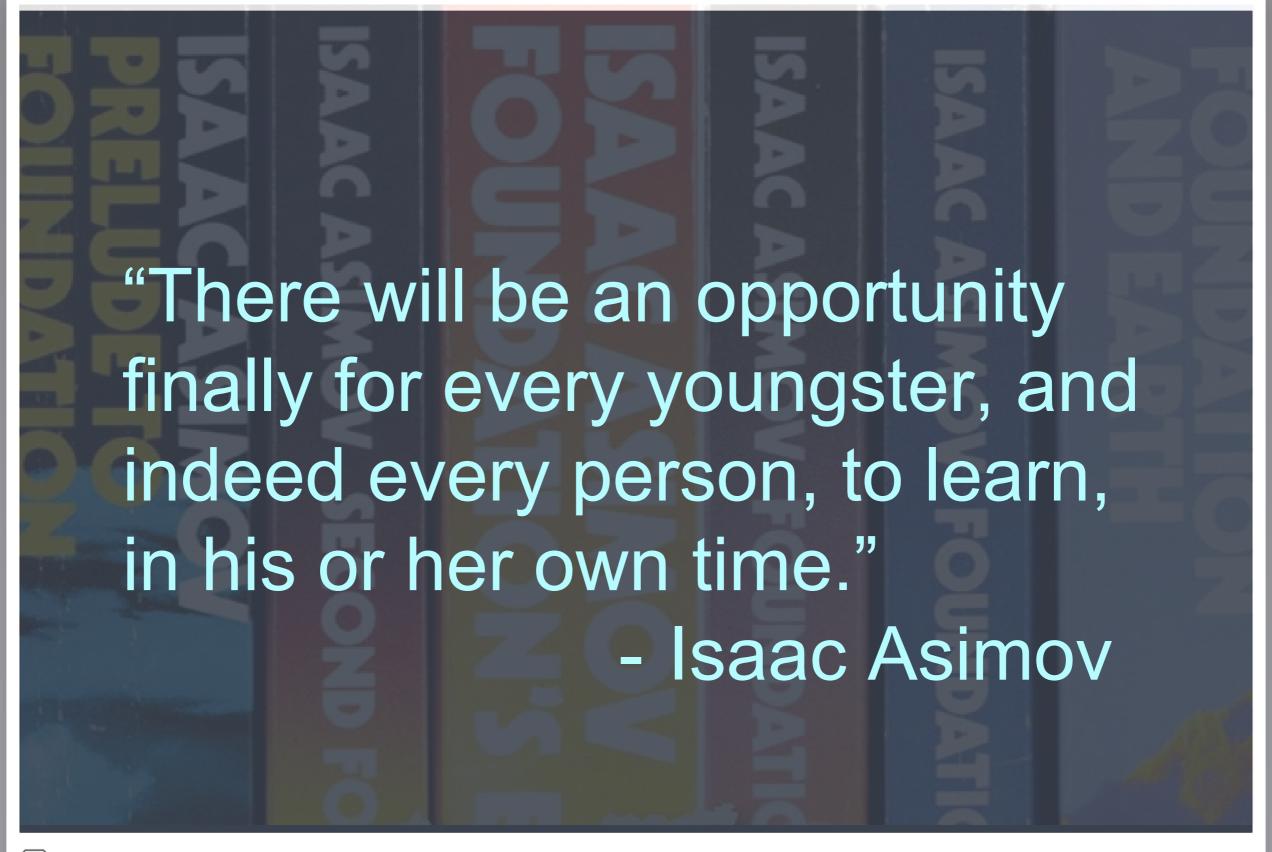
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