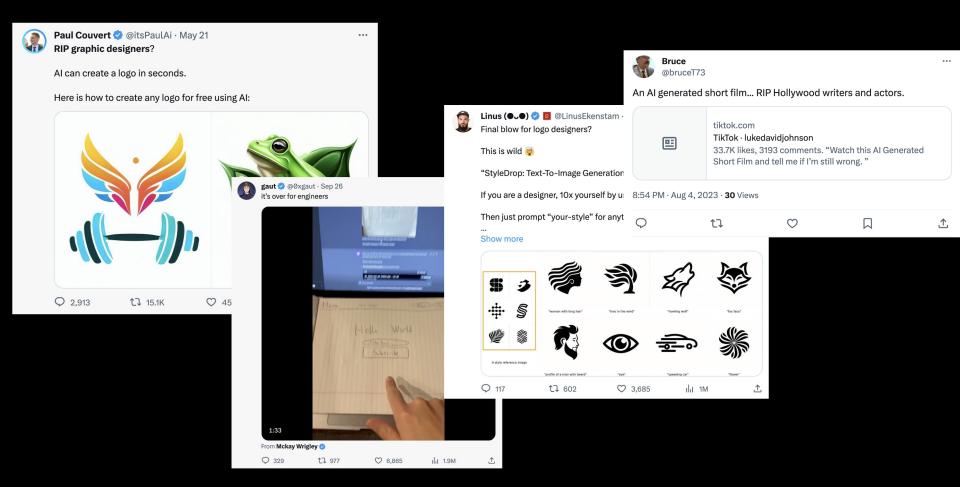


HALLUCINATIONS

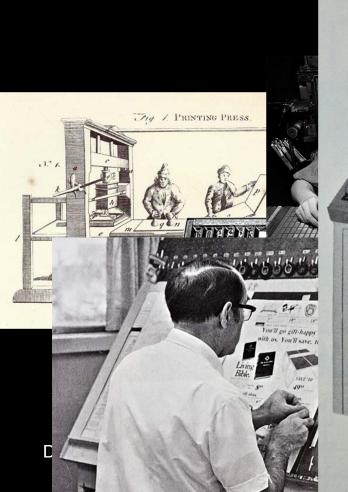
Critically Engaging AI in the Design Classroom





David Loeb Weiss and Carl Schlesinger, Farewell e-t-a-o-i-n s-h-r-d-l-u (1978)

ence 2024





The Photon 560 keyboard. Note how complex the keyboard is, with special keys for each face, each size, and each typographic function. As you can see, the device outputs punched paper tape.

Introducing Macintosh. For the rest of us.

In the olden days, before 1984, not very many people used computers, for a very good reason.

Not very many people knew how, And not very many people wanted to learn.

After all, in those days, it meant listening to your stomach growt through computer seminors. Falling askeep over computer manuals, And staying awake nights to memorize commands so complicated you'd have to be a computer to understand them. Then, on a notificularly bright day

in Cupertino, California, some particularly bright engineers had a particularly bright engineers had a particularly bright dea: since computer make most about per people alt So it was that those very engineers would long days and rights, and a few legal holidarys, teaching thry silton chips all about people. How they make missakes and change their minds. How they refer to file folders and save old phone numbers. How they labor for their livelihoods, and doodle in their space time.



And when the engineers were finally finished, they introduced us to a personal computer so personable it can practically shake hands. And so easy to use most people already

know how.
They didn't call it the QZ190, or the
Zinchip 5000.

They called it Macintosh."

And now we'd like to introduce it to you.













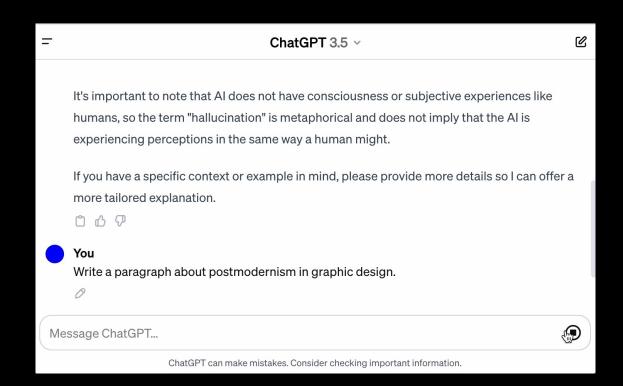


MidJourney (launched in 2022)

Drew Sisk

Hiccups and Hallucinations

Clemson Teaching Excellence Conference 2024



ChatGPT (launched in 2022)



Emigre, 1989

NEV OF

Image generated with MidJourney (2023)





John Berger, *Ways* of Seeing (1972)

UNC

Video generated with RunwayML (2023)



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RESI

Steve Jobs unveiling the first iPhone. (2007) Photo: Paul Sakuma/AP



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EXE EXE

Dziga Vertov, *Kino Eye* (1924)



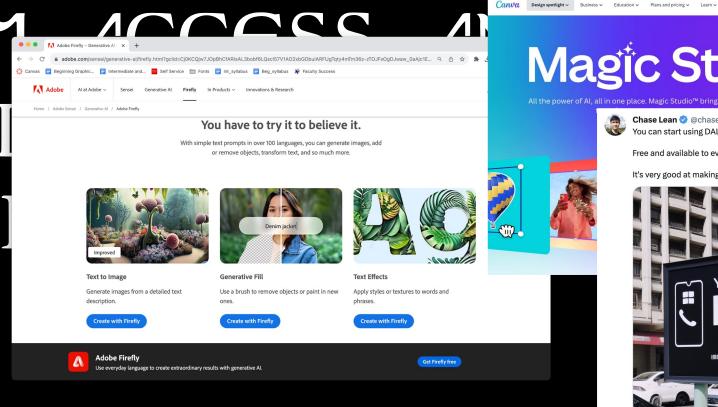
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"[Al renderings] conver median; hallucinated me the norm by signalling to likenesses with likelines images' in terms of reso substance they are: mea

Hito Steyerl, "Mean Images," New



WHZT ZRE THE IMPLICATIONS OF AI ON GRAPHIC DESIGN?



Magic Studio

All the power of AI, all in one place. Magic Studio™ brings together the best AI-powered

Chase Lean 🔮 @chaseleantj · Sep 30 You can start using DALL-E 3 with Bing right now!

Free and available to everyone.

It's very good at making photos of words:



Drew Sisk

Hiccups and Hallucinations

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2 EFFICI



ETHICS

their tactics and strategies to gain an edge. detect.51

complex environment, especially against issues that are not known to be issues44 or the equally varied possibilities for adversarial interference.45

2.4 DATA DRIFT

Even if an autonomous system were designed and tested to fully account for the complexity of the real world, environments change46 in ways that will eventually subject systems to one-off cases or systematic discrepancies that did not previously exist.47 This phenomenon is known as "data drift".48 Conflict environments are likely to drift constantly.

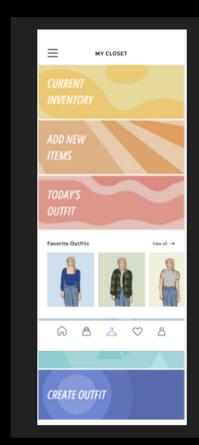
- Wartime activities physically change the envi-
- Groups engage in unpredictable behaviour to deceive or surprise the adversary50 and continually adjust (and sometimes radically overhaul)
- Because drift can happen gradually (or, if adversarial, covertly), it may be difficult to
- Conversely, sudden unanticipated tectonic shifts - for example, the emergence of a wholly novel military tactic for which an autonomous system was not developed or designed - can render whole classes of system ineffective.52

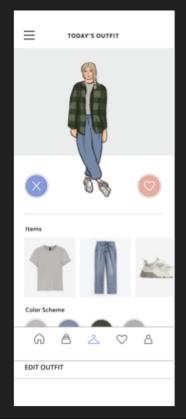
FIGURE 4. In a set of simulated dogfights be tween an expert human pilot and an Al "pilot. the machine won 5-0. However, this system was operating in a controlled simulated environment. Real-world uncontrolled environments will prove much more challenging for autonomous systems. CREDIT: DEFENSE ADVANCED RESEARCH PROJECTS AGENCY

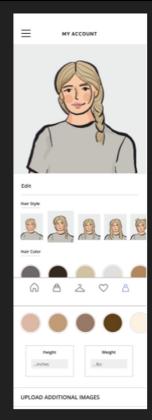
Photo: David McNew/Getty **Images**

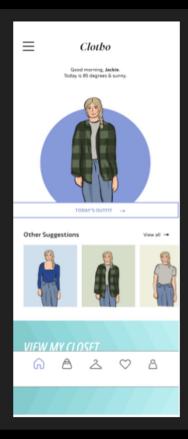
Known Unknowns: Data Issues and Military Autonomous Systems, Arthur Holland Michel, 2021

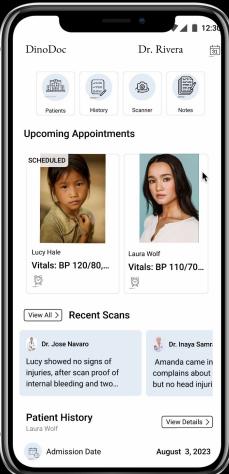
HOW MY STUDENTS ARE USING AND THINKING ABOUT AI











Drew Sisk Hiccups and Feaching Excellence Conference 2024





campaign looks like any other model. Her tousled hair hangs over her shoulders as she gazes into the camera with that far-off high-fashion stare. But look closer, and something starts to seem a little off. The shadow between her chin and neck looks muddled, like a bad attempt at using FaceTune's eraser effect to hide a double chin. Her French-manicured fingernails appear scrubbed clean and uniform in a creepy real doll kind of way. The model is AI-generated, a digital rendering of a human being that will start appearing on Levi's e-commerce website later this year. The brand teamed with LaLaLand.ai, a digital studio that makes customized AI models for fashion companies, to dream up this avatar. Amy Gershkoff Bolles, Levi's global head of digital and emerging technology strategy, announced the model's debut at a Business of Fashion event in March, AI models will not completely replace the humans, she said, but will serve as a "supplement" intended to aid in

AI-GENERATED MODELS
<AN BE USED IN CONJUNCTION WITH HUMAN MODELS
TO EXPAND THE NUMBER OF
MODELS PER PRODUCT

the brand's representation of various sizes, skin tones and ages.

"When we say supplement, we mean the AI-generated models can be used in conjunction with human models to potentially expand the number of models per product," a Levi's spokesperson said. "We are

"ANY GOOD TECHNOLOGIST.
INSTEAD OF COMPLAINING
ABOUT A PROBLEM.
WILL BUILD A FUTURE
WHERE YOU COULD
ACTUALLY HAVE THIS
REPRESENTATION"

excited about a world where consumers can see more models on our site, potentially reflecting any combination of body type, age, size, race and ethnicity, enabling us to create a more personal and inclusive shopping experience."

Michael Musandu, the founder of LaLaLand.ai, created the software in part because he struggled to find models who look like him. He was born in Zimbabwe, raised in South Africa, and moved to the Netherlands to study computer science. "Any good technologist, instead of complaining about a problem, will build a future where you could actually have this representation," Musandu said.

What about simply hiring a diverse cast of models? Musandu said that LaLaLand. ai is not meant to "replace" models, but allow brands to afford showing off different clothes on as many bodies as possible.

"It is not feasible for brands to shoot nine models for every single product they sell, because they're not just hiring models, they're hiring photographers, hair stylists and makeup artists for those models." Al-generated images don't need glam squads, so brands can cut costs they would spend on set by using fake awaters.

A spokesperson for Levi's added:
"The models Levi's hires are
already diverse and this will
continue to be a priority for us.
Over the past year, we've been
focused on ensuring that those
working on the content both in
front and behind the camera are
reflective of our broad consumer
been."

Yet the diversity that AI can provide is always going to be virtual computer-generated sense of inclusivity. Are brands who generate, for example, black models for pieces where they only photographed a white human model engaging in a kind of digital blackface?

This is not a new question. There are already "digital influencers" like Lil Miquela and Shudu, fake avatars with millions of followers on social media. They model Prada, Dior and Gucci clothing with the idea that their (human) audience will purchase the pieces. Neither model purchase the pieces. Neither model

THESE MODELS NEVER
AGE ... MAKING ITHEM
A HOT COMMODITY IN A
YOUTH-OBSESSED
INDUSTRY

is white, but both have at least one white creator (Shudu was created by British fashion photographer Cameron-James Wilson and Miquela by Trevor McFedries and Sara Decou).

Criticism of Levis for casting AI models instead of real once echoes the wave of response Lil Miquela got when she was first launched in 2016, or when Shudu made her debut two years later. The New Yorker's Lauren Michele Jackson called Shudu 'a white man's digital projection of real Black womanhouf.

Lil Miquela's creators also filled her fake life with "events" to try to give her personality. Calvin Klein apologized for a Pride ad that showed Lil Miquela kissing the real model Bella Hadid. A few months later. Lil Miguela came out with a story of experiencing sexual assault in the back of a ride-share, and followers accused her creators of making up a traumatic event for clout. Unlike their mortal counterparts, these models also never age. Miguela, a "19-year-old Robot living in LA", is forever 19 - making her a hot commodity in a youth-obsessed

industry.

How long before these models are taking away jobs from real people?

Sara Ziff, founder of the advocacy group The Model Alliance, is concerned, "capitalizing on someone else's identity to the exclusion of hiring people who are actually Black could be compared to Blackface," Ziff said.

Ziff's New York office hosts a support line where models call in to discuss things that have made them uncomfortable on set. Lately, the

topic of conversation has been AI, and specifically body scans, which brands can use to create digital, 3D replicas of models' bodies.

"We've received an increasing number of calls from models who after receiving body scans found that the rights to their body were being assigned to a company, which meant that they were losing the rights to their own image," Ziff said. "We've particularly heard this from fit models, who are concerned over how their personal information would be used or capitalized on without their nermission." Sinead Boyell has modeled for six years and wrote about the topic of AI models for Vogue in 2020. She frequently posts on social media about the ethical dilemma that comes with companies using models' bodies to create their images.

ast year, the portrait app Lensa went viral for generating highly stylized portraits of users. It used Stable Diffusion, a text-to-image app that is trained to learn patterns through an online database of images. Those photos are sourced from across the internet, which led to artists saying Lensa was stealing their work to create the pictures.

Similarly, brands could train their AI on real-life photos or body scans of human models. But who gets paid when the photo generated from their likeness lands the next big ad campaign? "Who would own that data? Where would it live? I'm sure



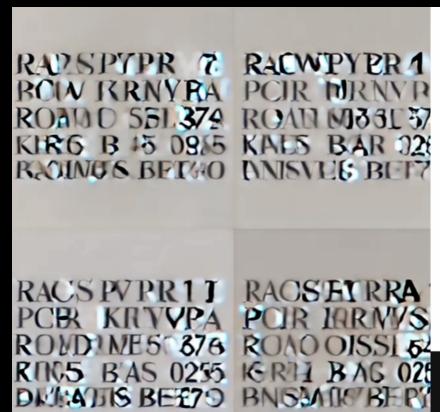
as that area of tech is being ironed out, I'd rather not be the guinea pig." Bovell said.

Musandu, the LaLaL.and.ai founder, said that his algorithm only works off data that the company owns. But he agrees that companies should compensate models if they base imageson their likeness. "I think if any algorithm has used you in the training set, you should have the rights for licensing those images," he said.

It's easy to remain pessimistic about the long-term affects this will have of fashion and body image. "I can see a future with AI where beauty standards become even more unrealistic because clothing is literally worn by people who aren't real," Bovell said. "If you look at the history of how tech has evolved — things like selfie sand filters — it's not sueer positive."

- ALIANA DAMOPOULOS

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Hiccups and Hallucinations: Critically Engaging AI in the Design Classroom



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