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PROJECT c/o F T R ®

SHALLOWER ESEARCH

This issue, we want to address the elephant in the room: Is originality overrated?

We live in the age of on-demand. A time when centuries of art, scientific achievement, and philosophical thought have been flattened into hours upon hours of streamable "content" — accessible anytime, anywhere. More than any of us can hope to consume in our lifetimes. The collected works of Akira Kurosawa, Joan Didion's Year of Magical Thinking, Elliot Smith B-sides, Edvard Munch's The Scream, that latest episode of Love Island – all simultaneously competing for your attention. Is it any wonder we've started to notice some... shared DNA between works from different eras?

The Hero With a Thousand Faces became The Seven Basic Plots before evolving into its final form: TV Tropes. Over at Pandora and WhoSampled, teams of machines and "musicologists" have dedicated 20 years to charting the tangled web of influences, covers, and remixes that make up the last 1000 years of musical history. Since those early dawn-of-the-Internet days, they've succeeded in mapping a 6 Degrees of Kevin Bacon for sonic discovery – the source code on top of which Spotify's Discover Weekly and Apple Music recommendation algorithms are built today.

Thanks to Webs 1, 2, and now 3, it's easier than ever to reverseengineer the genealogy of creativity. And armchair analysts certainly have – in the toxic wasteland of YouTube comment sections, on Twitter, in thinkpieces, and subreddits. Drawing a line from Virgil Abloh to Rene Magritte is all well and good, but the question we're left with is:

so what?



Take a look back at some of the most-buzzed-about IP infringement lawsuits of the last decade and you'll find one consistent refrain: technology is the root of all evil for the creative industries.

Case(s) in point: music's watershed moment with the Blurred Lines verdict. The never-ending cavalcade of near-identical Instagrammable "experiences" taking over the modern art world. The butterfly effect of how one Norwegian coder's decision to make the massive catalog of adult entertainment that exists in the world searchable and streamable has forever-altered the landscape of the world's oldest profession. Or the (largely unfair) dunking Spice DAO received for attempting to resurrect Jodorowksy's Dune – one of the "greatest sci-fi films never made" – as a crowdsourced cinematic universe.

"Decentralized creative collective adapts the work of one of the world's consummate auteur directors" is a story with the delicious ring of dramatic irony to it, but the bit all those Twitter commentators fail to remember is this: Jodorowsky himself was interpreting Frank Herbert's original vision from the novel. With the help of a stacked team of collaborators of his own.

It's the perfect illustration of the unspoken truth we want to explore. For all the ink spilled and fingers pointed, the truth is: sampling, bootlegging, and remixing have always been a part of the process.



Thicke, Williams



Gaye

Figure 01 Blurred Lines vs. Got To Give It Up diagram of chord progressions



TeamLab's "Boundaries"



MODS "Season Dream"

Figure 02 TeamLab vs Museum of Dream Space photographic comparison



H.R. Giger working on Dune Sets

seydoux presents

alexandro

from frank herbert's novel

design by jean giraud machines by chris foss special effects by dan o'bannon dialogue by m. demuth and a. jodorowsky

Jodorowsky's "Dune" title design

Figure 03 Space DAO + Jodorowsky's Dune

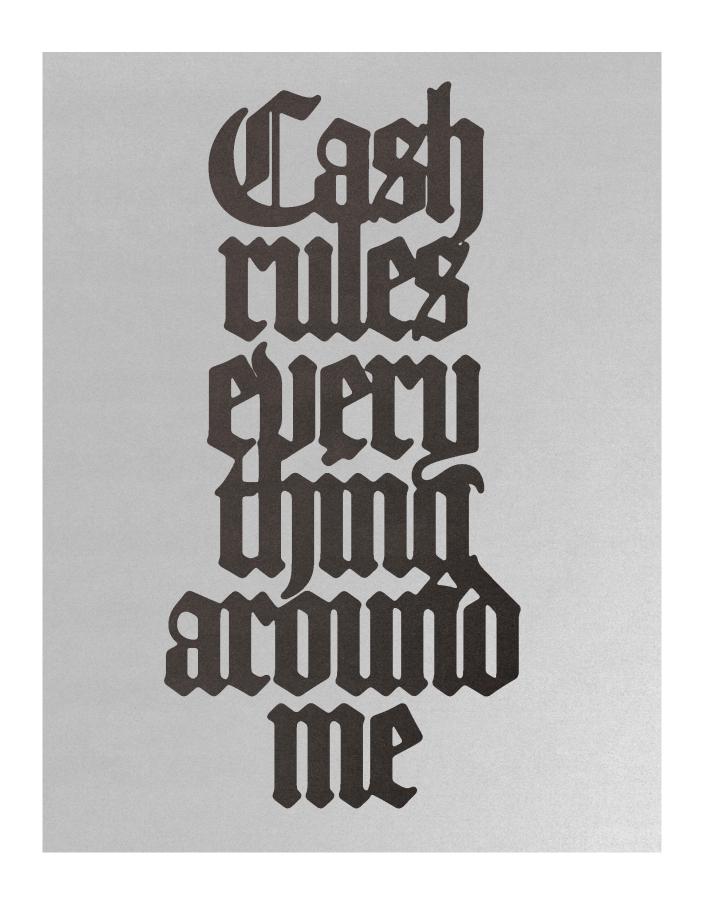
ONE MAN'S BOOTLEG IS ANOTHER MAN'S HOMAGE



Sneaker culture is shall we say...particularly fraught with allegations — from Kanye's latest beef over "copied" Yeezy designs to Skechers'...entire business model. But to truly tell that story, we have to start at the beginning — with the two brands most-often held up as day-one innovators in the field of performance footwear: adidas and Converse.

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Neces-SITY the mother of INVEN tion



Wu-Tang Clan

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Often credited as the "father of the modern running shoe," Adi Dassler and his brother Rudolph started Gebrüder Dassler Schuhfabrik out of their mother's kitchen foreshadowing the vibe of start-up culture by a good half century. In the lead-up to the 1936 Summer Olympics Adi drove to Berlin from his hometown in the Bavarian countryside to persuade as many athletes as he could to take a chance on a pair of handcrafted leather track shoes with extra long spikes. One of those athletes happened to be Jesse Owens – who instantly became an icon when he walked out of Nazi Germany with 4 gold medals in what may be the most triumphant sports moment of all time. By not allowing white supremacy to factor into their marketing decisions, the Dassler brothers' brand blew up - with sales rolling in from athletes and national teams trying to recapture a little bit of that Owens' magic.

It could have ended there, but success came at a personal cost. In 1948, the brothers split their business into two brands that are still synonymous with German sport: Adolf went with "adidas"; Rudolf landed on "Ruda" before changing it to the more memorable "PUMA." The blow-up for the ages came in the 1970s – when the German army put out a call for an evolution of the iconic Owens track spike for the troops. Both PUMA and adidas produced a version of the now-pervasive style, each claiming the design as their own - when in truth, the root of the branch came from their original collaboration. To further complicate matters, the silhouette of the **German Army Trainer then went on to inspire** the adidas Samba, the PUMA whirlwind, and eventually, the Margiela Replica.



1936 Adidas Track Shoe



Adi Dassler talking to athletes



Adi Dassler in the Gebrüder Dassler Schuhfabrik

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1924 Converse Non-Skid Sneaker



1924 Ad Converse Rubber Shoe. With patented technology for the tread.

Produced in Malden, Massachusetts, roughly 100 miles from the birthplace of basketball, the invention of the All-Star came about not because of some high-minded love of design but a much more #relatable Depression-Era need for coin. Unlike baseball or American football, both of which required large outdoor playing fields, basketball could be played in tighter space – and so the pastime blew up in urban playgrounds and college neighborhoods all along the East Coast. Rubber company founder Marquis Mills Converse could recognize an opportunity when he saw one.

The All Star came with features that gave it an edge over the competition, such as the heel patch, an innovation on the inner designed to protect the ankles of players, and the diamond tread pattern on the rubber sole - which survives to this day. That rubber tread formed the bedrock of the design because it was a shape that allowed athletes to push off in multiple directions, pivot, and stop on a dime. But even as early as 1924, Converse was standing on the shoulders of those who came before. In 1832, Walt Webster patented a process that allowed rubber soles to be attached to shoes and boots. By the 1860s, a croquet shoe was made available with a rubber sole and a canvas upper that fastened with laces. Because the canvastopped rubber shoes made you pretty much noiseless, the invention was quickly adopted by sneak thieves - hence the name "sneakers."

So what can we learn from this historical interlude?

1— Sorry to break it to you, but everyone's gotta eat.

Sneaker designers (and "creatives" in general) are, more often than not, just trying to make rent. We may want to pretend that the act of "making" exists on an ethereal plane above the petty concerns of capitalism, but art and \$\$\$ have always been uneasy bedfellows. And believe it or not, even the most cynical of cash grabs can spark revolutionary ideas. The Medici basically underwrote the entire Renaissance, after all - creating the conditions for a hothouse of talent to develop at the intersection of technology, art, philosophy, poetry, and architecture – and in so doing, setting up a model for innovation that makes Silicon Valley look like a couple bullies in a sandbox squabbling with one another over the same grubby toys. (This is the dynasty that basically invented the concept of the artist residency...before it devolved into the "collab houses" of our day). The fact is, talent needs patronage, and the appreciation and collection of objects has always been the invisible engine powering the ability of makers to make.

2— Hot take perhaps, but the whole Form v. Function debate is kind of bullshit.

When Louis Sullivan coined the concept, the idea that the style of a building or object should reflect its purpose made perfect sense. But the truth is, function – that is to say, what people need/ want – has been pretty much consistent throughout the arc of human history. So have the laws of physics. Form on the other hand, has continued to evolve – largely thanks to technology. Designers can now cram more functions onto a smartphone than the entire computing power of the NASA system that first put man on the moon. These days the outward appearance of most of the objects we come in contact with bears almost no relation to their intended purpose. Intuitive form and experience – or UI designed to mirror

instinctual human behavior – is really what matters when we find ourselves interacting more and more with screens. And as our friends over at High Snobiety so insightfully pointed out, when it comes to sneaker design, the debate is even more moot.

"The human foot hasn't changed shape in close to a million years [and] there are therefore only so many basic shapes a shoe can take to shield that foot from injury. If you hit the end of that tunnel and still desire something truly original, be prepared to pay a lot per pair. Most people simply don't want the more avantgarde styles that "true originals" take, so sneaker companies that do deal in those models (Y-3, ROMBAUT, etc.) have to charge more per unit just to keep the lights on. Hence, \$2000 CCP "Drips."" — Alex Rakestraw, "Here's How the Sneaker Industry is Fueled by Copied Designs," High Snobiety, 2019.

3— Inspiration is a grind.

Although it's often romanticized as capturing "lightning in a bottle," in practice, staying inspired isn't always a glamorous process. No one who makes things for a living can afford to sit around the house waiting for the muse to call. You have to seek her out. Staying inspired is an iterative process. There's very little distinction that can be made between the process of inspiration – or "thinking" – and the process of making. More often than not, research is R+D. From blatant rip-offs to "inspired-by" designs, the line between homage and straight cribbing is blurry at best. One further complicated by the very nature of how our brains digest inspiration.

ion le

The Imitat Gam

Copying is found everywhere in nature. Animals use mimicry for protection and survival. See: the markings on a Viceroy butterfly duping predators into thinking it's the more glamorous Monarch to avoid being devoured. Comedians build rapport with an audience by breaking down observations into relatable anecdotes – setting up a punchline by establishing comfort before the inevitable rugpull. As babies, we mirror to express emotion, then gradually learn empathy by decoding body language. Yes, it starts as an act – but by miming, we wire our brains until it all becomes muscle memory.

Observing and mimicking is how we learn. It's trial and error. The practice-makes-perfect that leads to the development of a singular voice and the refinement of taste. In order to figure out what you like and what you have to say, you have to keep your eyes open. In fact, you could say mimicking is the foundation to any good education in the arts.

"You start when you're young and you copy. You straight up copy." - Shel Silverstein

"Imitation is the sincerest form of flattery that mediocrity can pay to greatness."- Oscar Wilde

Artists learn by sketching. Doodling in the margins of their school notebook. Tracing their favorite comic book characters instead of listening in math class. Observing the imperfect curve of an apple. The line that forms the shape of a smile. Apprentices during the Renaissance used to learn by copying the work of their master over and over and over again in what basically amounted to a medieval sweatshop. The first independent work Michelangelo ever made – as the story goes – was a reworking of a print by the German artist Martin Schongauer of the Temptation of St. Anthony.



Look Closely

Toward the end of his life, Monet had to undergo major eye surgery to avoid the onset of blindness, "I no longer sleep because of it," he admitted, describing how "at night I do not cease to be haunted by what I am attempting to realise." But out of the necessity to create, he invented a near-abstract style that eventually launched its own movement that went on to change the course of 20th century art: the Abstract Expressionists.

Another art form born out of necessity and limitation? Hip-hop. Sampling is a core tenet – a way to build culture and community by calling back to the ancestors. For a marginalized group overlooked and outright erased by history – many of whom cannot trace their origins back to a time before slavery – sampling represents the evolution of the oral tradition. A way to allude to an archive of shared experience and add your voice to the generational chorus.

Long before beatmakers were honing their craft by digging through the crates, musicians would run scales, learn chords, train their ear and eyes to become better sight readers – and ultimately, better composers. There's a beautiful story told by Paul Elie in Reinventing Bach:

"Johann Christoph [Bach's older brother] kept a collection of sheet music locked in a cabinet with latticed wood doors. Bach [yearned] to make music, not run through the exercises his brother assigned him, which he had already mastered. One night while the others were asleep he slipped a hand through the latticework, took hold of a sheet of music with thumb and forefinger, drew it out through the slats, and copied the notation onto a fresh sheet. Working by moonlight, he copied the manuscript the next night, and the next, until the moon entered a new phase. After 6 months of moonlit nights he had a complete work. Finally, one morning he brought the fresh piece of sheet music to the clavier and played it..."

Even after he became a legend, Bach himself liked to tell that story because he saw it as the perfect illustration for how he learned to make music—by deeply studying the work of other composers. After all, one of the best ways to internalize someone's work is to copy it by hand. It's something every writer and every student of a foreign language can relate to:

Copying is the easiest way to learn the rhythms of a language. Whether it's a poem or piece of prose. The goal is not just to memorize the meaning of the words but to understand the emphasis of syllables, the symmetry of a couplet, the pauses and negative spaces that frame the artistic choices.

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It's the same process Matisse took with The Snail in his final years. First, he drew a snail. Then he used pieces of colored paper to reinterpret it. Forging himself with paper cutouts in order to deconstruct and reconstruct the process by playing with harmonies and contrasts. All in a bid to stay inspired.



Of course what we're describing here is nothing new. It's the value of a liberal arts education. It's why they tell you to go to school. To read widely and follow the syllabus. Study the classics. Learn the historical context. You have to learn the rules to break them.

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"3% is applicable across practices and fields, different media, eras of our history. Our future, A series of 3%s brings the classics to modernity. Connects icons to burgeoning talent. Original style and invention are two different things. Origin stories vary but methods are universal. It's a cheat code."

VIRGIL ABLOH

Oo1 Copy somebody's style OO2 Fuck it up OO3 Keep fucking it up OO4 Keep really, really fucking it up OO5 Look: You've got your own



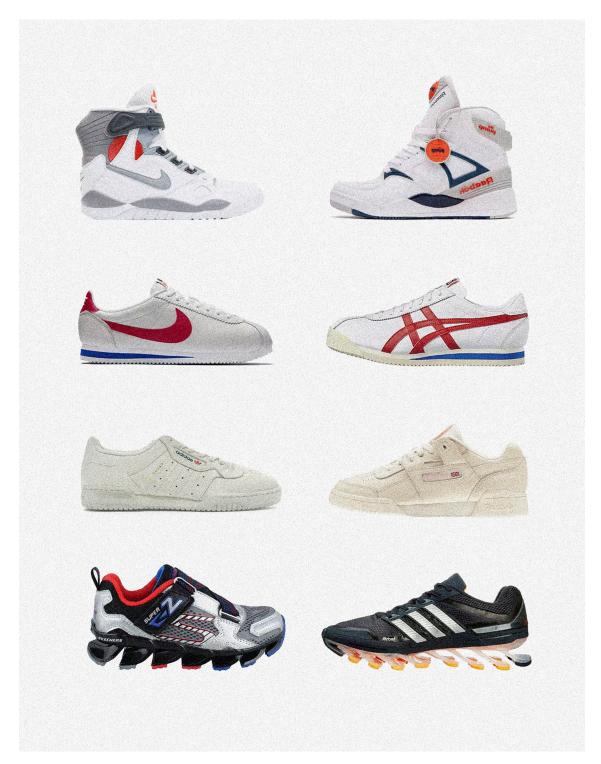
PLAGARIST OR POLYMATH?

it's all in the eye of the beholder

We've reached an inflection point. In an age where the vast amount of the world's knowledge is just...out there begging to be discovered: who even decides what the "classics" are anymore? And are we trading one kind of gatekeeping for another? What happens when the inspiration we are exposed to is selected for us — fed to us by an algorithm rather than discovered organically as we go about our day? Is serendipity dead in the era of the Explore tab?

We live in a world where the withering stare of that one record store employee judging you at the checkout is becoming a fast-fading memory. A world where access to culture is more equitable than ever before. Where subcultures can find the platforms to be created, shared, and discovered by the communities who need them most. All of this is unquestionably a good thing. As a society, we're slowly inching towards greater inclusivity, connectivity, transparency — all thanks to technology. But under the surface, we are also on the cusp of a massive shift in how culture is created, collected, and consumed.

We used to curate our identities through the objects we own. Now, each of us meticulously curates each square within that 9x9 grid to project the kind of person we want to be. And in so doing, we're tacitly allowing the machines to serve us up recommendations for what to buy, where to eat, what to wear – even what we should feel inspired by.



Sneaker Industry "Copy Designs"

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So, the question becomes: what distinguishes an addict from a curator? A pathological Pinner from a visionary? Obsession from enthusiasm? A collection from an unsightly hoard? And what does any of this mean to those of us who went to school to be designers, writers, critics, curators, and artists? Whose livelihoods depend on that all-too ephemeral quality: taste? The one thing no amount of money can buy.

It's a question those French guys you muddled through in your Philosophy 101 class have been wrestling with for literal fucking years. To quote one of our favorites:

"All we sense are images." - Henri Bergson.

Bergson, for those of you who may need a refresher, codified the idea of "Intuition as Method". Here's how he broke it down. There's 2 paths to knowledge:

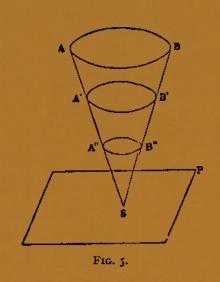
01. Intelligence (head)

02. Intuition (heart/gut)

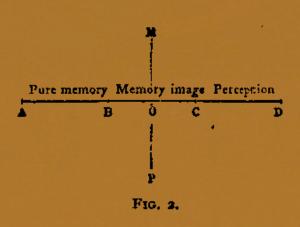
Intelligence is selective participation for the sake of efficiency. It's how we avoid the overload and make sense of an experience through needs and relevance. It's the synthesis of perception — that is to say, the hard facts: phylus/ genus, numbers/ stats, DNA sequencing. The 1s and 0s of objective reality.

Where Intelligence flattens, categorizes, and labels, Intuition invites you to enter an experience and check your judgment at the door. Intuition is honest. Not abstract or analytical. It doesn't keep the world at an ironic distance. Intuition reminds you to just be present and feel. To trust your gut.

If life is one giant Choose Your Own Adventure book, Intuition is what keeps us turning the pages rather than agonizing over every available option out there. It is the antidote to paralysis by analysis.



Henri Bergson, Creative Evolution, 1907, "Intuition vs. the Intellect"



Henri Bergson, Creative Evolution, 1907, "Matter and Memory."

It's Intuition that helps us navigate from universality to individuality. Abstract to personal. It's how we each discover our lens and refine our taste. Y/N? Left or right? Thumbs up or thumbs down? When you strip it back: it's really very simple. Intuition allows us to navigate a world of infinite possibility by synthesizing data on a gut level.

Deep Objects



Sneaker or not a Sneaker?

And part of learning to trust your gut is seeking out not originality of "content" but originality of inspiration. Casting a wide net and grazing from a balanced diet of inspiration.

There's a crucial difference between mindlessly scrolling Pinterest and browsing the stacks. It's why libraries still exist. Bookstores. Magazine stands. Record shops. It's why we all need to go for a walk around the block once in a while. Or travel to a foreign country. Because it's the unplanned encounters that stick with us. Those out-of-search-bar moments are what excite, intrigue, and keep us motivated. Flipping through the actual physical pages of a book or simply having a conversation with a stranger opens us up to the possibility of stumbling upon a new thought.

When you venture out-of-domain, you increase the probability of coming across that elusive thing. The piece that makes the puzzle. One you may not have even known you were assembling. Lightning strikes do happen from time to time – but they rarely come out of nowhere. More often than not, they are the result of a long-simmering, half-formed idea suddenly gelling in your mind.

Perhaps it's time to update one of the most important adages in modern philosophy from another one of our favorite Frenchmen:

"We must cultivate our own garden" - Voltaire, Candide, 1759

→ We must build our own dataset.

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For us, that's what it all comes down to: seeking out in-domain and out-of-domain inspiration. Whether you're online or off. In order to refine taste and discover your voice, you've got to follow your natural impulses — and in this day and age, that means using all the tools we have available at our disposal to:

- 1. work smarter, not harder, while ...
- 2. allowing intuition to do its thing.

It's shallow research that over the course of a lifetime matriculates into deep learning. It's how we each write our own realities.

And it's how we've trained deepobjects.ai ISSUE 02

1 — COLLECT — DATASET DEVELOPMENT

A 75,000 image dataset was meticulously curated, developed, edited, and formed over a period of a year. The dataset is the first, and most critically important, step to generative ML models. In short, shit datasets get shit results. Within the development of the set, a number of techniques and tools, including independent discriminator ai-models, were deployed to create results that felt high enough quality to be subjectively valuable but varied enough to create unexpected newness.

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2 — TRAIN — MACHINE LEARNING MEETS HUMAN LEARNING

Next that model was trained on top-end data center GPU cloud machines. I, along with a small group of coders and data scientists, implemented customizations and implementations on open source code. What is happening within the training is an extremely complicated and dense process to try to wrap your head around, but here are the basics for the technologically-curious:

This type of tool, commonly used in AI art generation, is called a Generative Adversarial Network (GAN). It is essentially made up of two components, a Generator and a Discriminator.

The generator gets first play, it produces a random image using various methods of noise generation, at which point, it asks the Discriminator: "is this a sneaker?"

The Discriminator pulls an image from the dataset, enacts a series of augmentations to that image, then compares the two images. It responds: "No, this is not a sneaker"

The Generator makes some adjustments and tries again, and again. One by one, slowly and slowly, the Generator gets progressively better at generating new pixels, new information, that get closer and closer to tricking the Discriminator.

The critical and beautiful piece here is the fact that, at their core, these images are novel. This process, specifically, does not take existing data to cut and splice together. We don't see a Dunk's upper joined onto a Suede's outsole, with an 'N' stitched on the side. It truly learns how to make these images from scratch – a kind of digital alchemy.

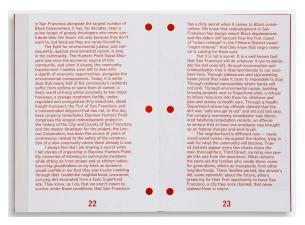
When I look at a blank sheet of paper with a pencil to start a design, I don't start from scratch. I look at reference images, I fall back on the intuition of learned experience, I recall and challenge icons and canon of disciplines, I remix, I collage, and I sample until I find something I can call my own, something that just feels right. I am both creating and curating.

I am both generating and discriminating.

And just like the sketch on paper sometimes ends up in a trash can below my desk, the model was crumpled up and thrown out many times. I revisited the Dataset and pulled out the machete and exacto, hacking and dissecting. Then rinsed and repeated.

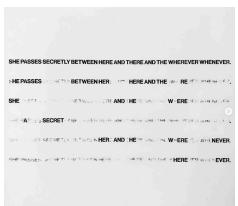
Perhaps the most satisfying of outputs – and what makes the nights fighting with trying to load python code environments on my PC worth it – is once you have a good sketch. It can have infinite babies. The outputs are boundless.

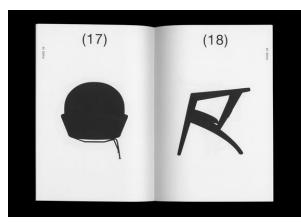
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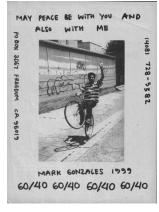














4. Growing up in an upwardly mobile family, I extrapolated our socioeconomic progress far into the
lature. My maternal grandparents were balancing the
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lature of the lature of the lature of the lature of the
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lature. For some reason he centually did reasonshly well. When he died, he left his progeny a little
patch of land.

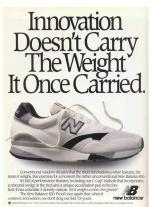
Supported by economic growth post-oil crisis, and
he minimal perks of social democracy, my parents
njoyed a base level security of lower middle class
life. They both worked in the public sector — my father
a teacher, my mother a nurse — and while they didn't
y my property (hey've 'missed the boat', as they put' i),
had were struggling with debt, they live quite comfortbe lives today. Next month we will finally pay off our
ast little bit of debt, my mother recently said.
I was the first of the family with access to university.
My mother had only completed lower education
when she started a family, a lack she caught up with
as she approached middle age. Under the table lamp
sher dinner, while we were memorizing French verbs
or calculating tangents, she sat next to us, bowed over
hick binders. I fell asleep to the rattling sound of her
yping rapidly, sitting behind the heavy, cube-shaped
monitor on the landing. Sometimes we helped her
with assignments or math.
Wy mother had boundless expectations for us,
her prodigies, we were raised to embody what French
philosopher Chantal Jacquet calls the 'transclasse'

(a genre of ghosts, maybe). We studied Latin and classical music. (My mother took on a second job as a cleaner to be able to afford our music lessons). My siblings and I were required to take tennis lessons too, for, as she used to say, later when we'd have friends with tennis courts on their estates, she wouldn't want us to feel ashamed. We never went to restaurants, but see taught us table manners, straighening our backs over dinner, and don't lean with your elbows on the table. At the elite symansium! Dwn tot, I quickly realized no one adhered to these rules, I was frowned upon when I at ferise with a fork. I still don't like to eat with my hands.

I wanted to be an astronaut. A trauma doctor. An eademic in classical studies. A novelist. I never doubted the feasibility of my ambitions. Even though I grew up with seven siblings in social housing. Even though Telonigad to the second sex. I had seen it. I had seen how life could change, even within one and the same milk. My defer a school dropout and an addict. For me, everything was within my reach. We were standing on a wide escalator, my family, my milicu, maybe the country, and the direction was up. Post-Cold war optimism blew all the way to the neutral Netherlands. Gender didn't matter. Class didn't matter. Everyone was welcome at the end of history and to desire the late of the count of the single feet have desired beginned to the country desired, justicised in the owe of the resurd of the leader of the country and the direction was up. Post-Cold war optimism blew at the end of history and the care of the country desired, justicised and the care of the server of the country desired, justicised and the care of the server of the care of the country desired, justicised and the care of the late of th

As I entered my thirties, I published my first novel, Never got the master degree I was aiming for, but no employer ever asked me for a diploma. I don't own a car. If I take on





some references + influences used in the design of Issue 02

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<u>UPCOMING ISSUES:</u>

001 introduction: introducing deep objects-

002 intuition/ inspiration: shallow research / deep learning

003 design/ iterate: i am discriminator/ i am generator

004 produce/ prototype: real / fake

005 ownership/ identity: we are what we collect

c/o F T R