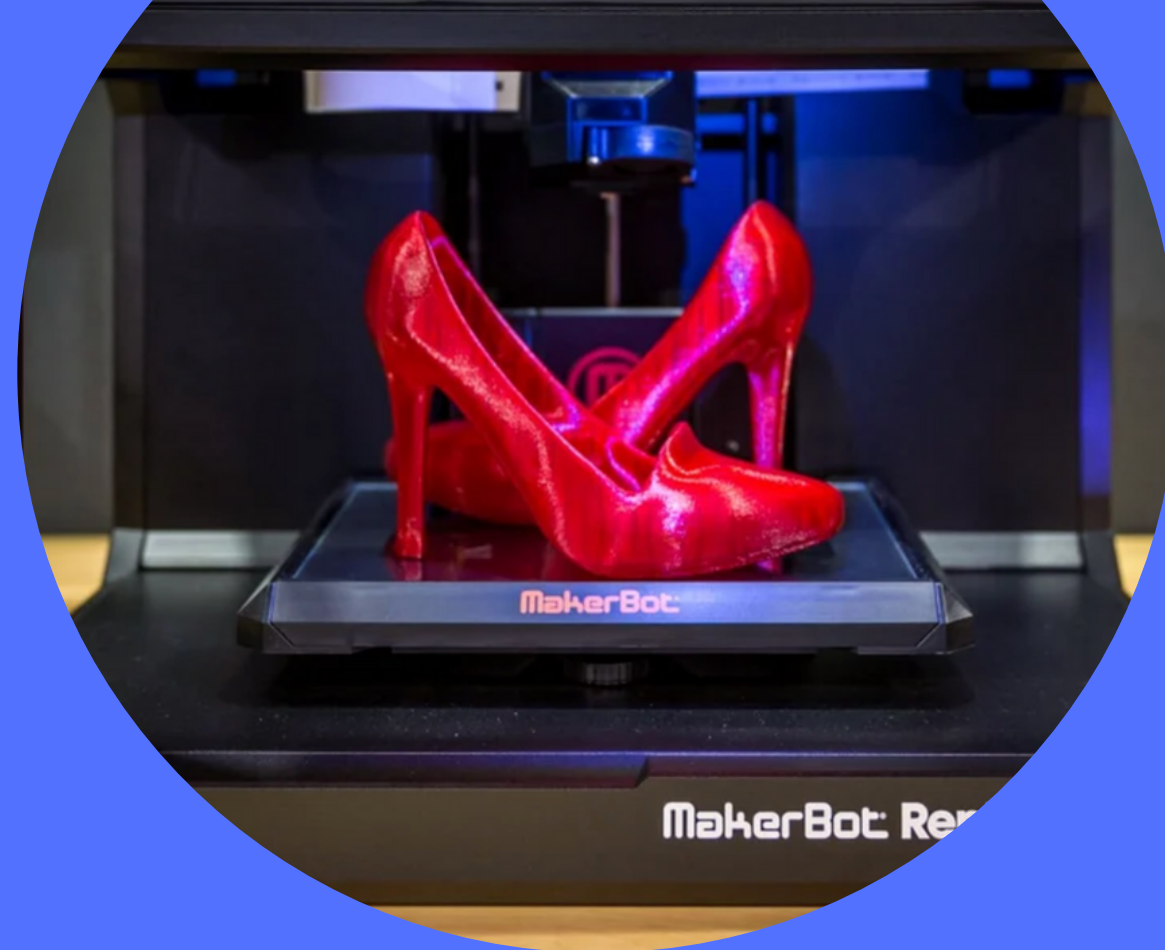


SIX TECHNOLOGIES AND.....

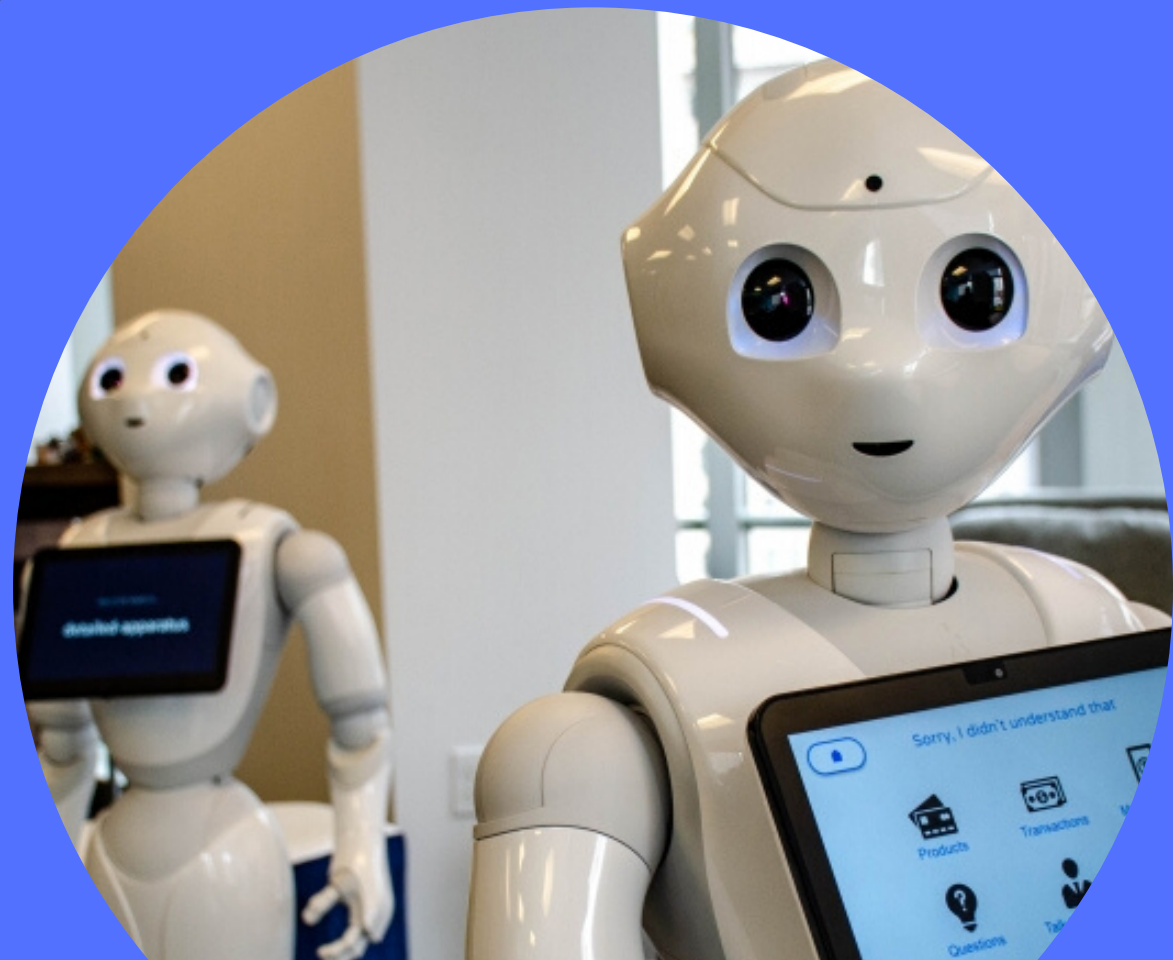
20 Trends that will shape the 2020s

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6 TECHNOLOGIES THAT WILL CHANGE THE WORLD IN THE 2020S

- Gigabit Computers & networks
- 3D printing
- Artificial Intelligence
- Robotics
- Digital Medicine
- Synthetic Biology



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trend 1.1

GIGABIT ECONOMY

The deployment of both licensed and unlicensed 5G wireless broadband, plus the launch of a multitude of global satellite networks (OneWeb, Starlink, etc.), allow for ubiquitous, low-cost communications for everyone, everywhere.



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trend 1.2

AI Everywhere

AI will achieve human-level intelligence: As predicted by technologist and futurist Ray Kurzweil, artificial intelligence will reach human-level performance this decade (by 2030). Through the 2020s, AI algorithms and machine learning tools will be increasingly made open source, available on the cloud, allowing any individual with an internet connection to supplement their cognitive ability, augment their problem-solving capacity, and build new ventures at a fraction of the current cost.



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trend 1.3

AUTONOMOUS VEHICLES AND FLYING CARS WILL REDEFINE HUMAN TRAVEL

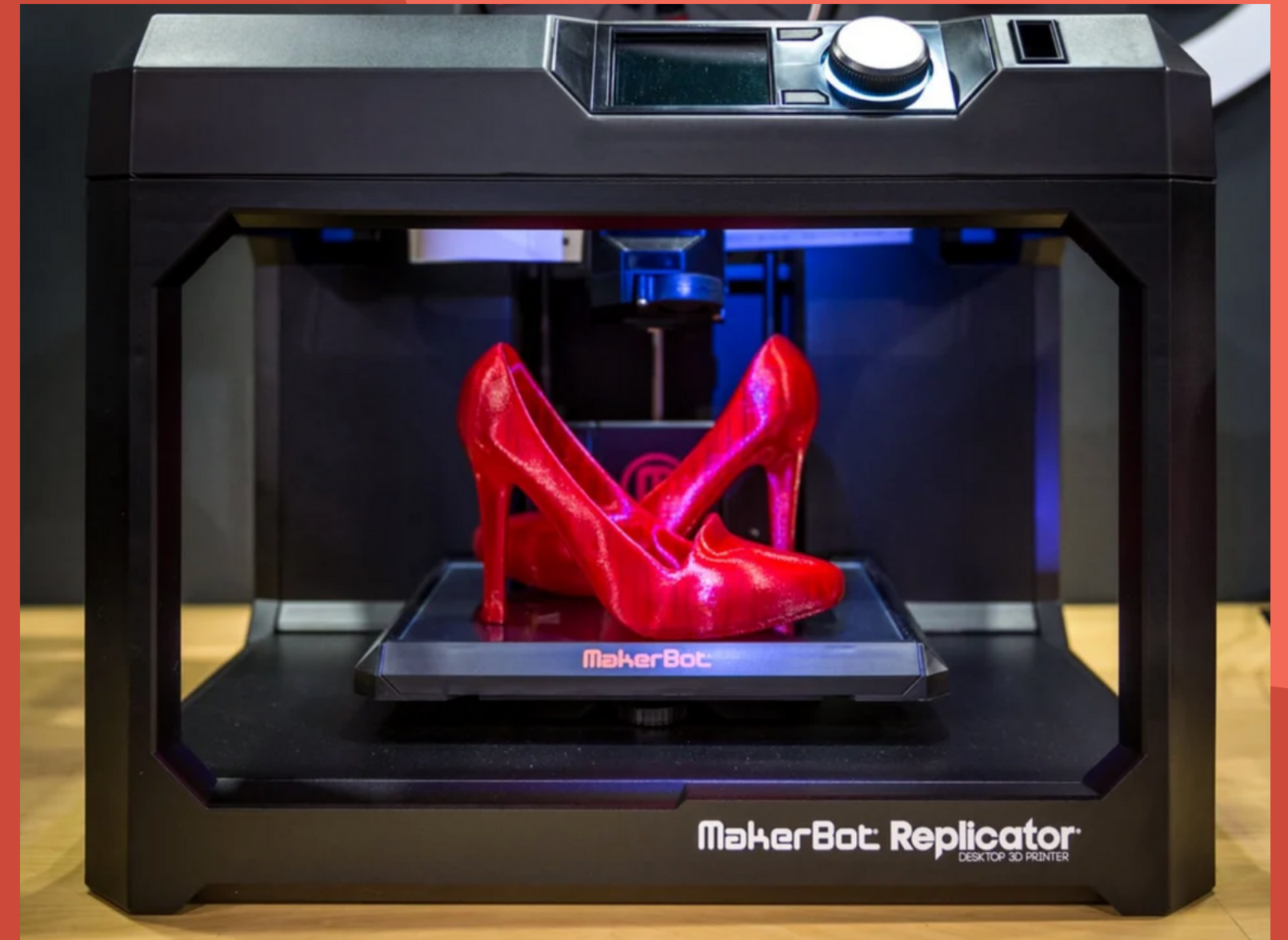
Travel becomes faster and cheaper: Autonomous vehicles, car-as-a-service fleets, and aerial ride-sharing will be fully operational in most major metropolitan cities in the coming decade. The cost of transportation will plummet 3-4X, transforming real estate, finance, insurance, the materials economy, and urban planning.



trend 1.4

ON-DEMAND PRODUCTION
AND ON-DEMAND DELIVERY
WILL BIRTH AN “INSTANT
ECONOMY OF THINGS

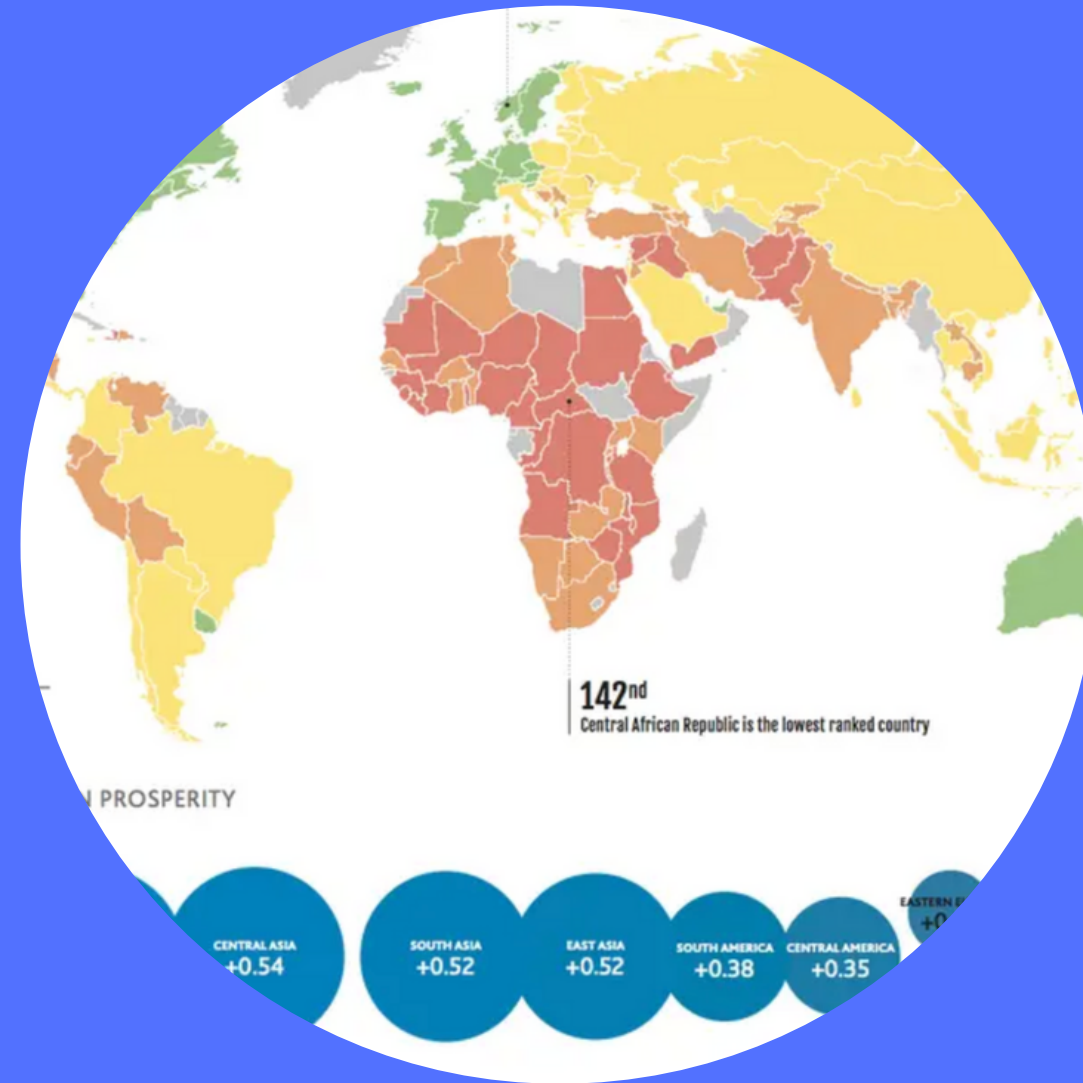
We are inching towards “Instant fulfillment” of retail orders as drone and robotic last-mile delivery services carry products from local supply depots directly to your doorstep. Further riding the deployment of regional on-demand digital manufacturing (3D printing farms), individualized products can be obtained within hours, anywhere, anytime.



trend 1.5

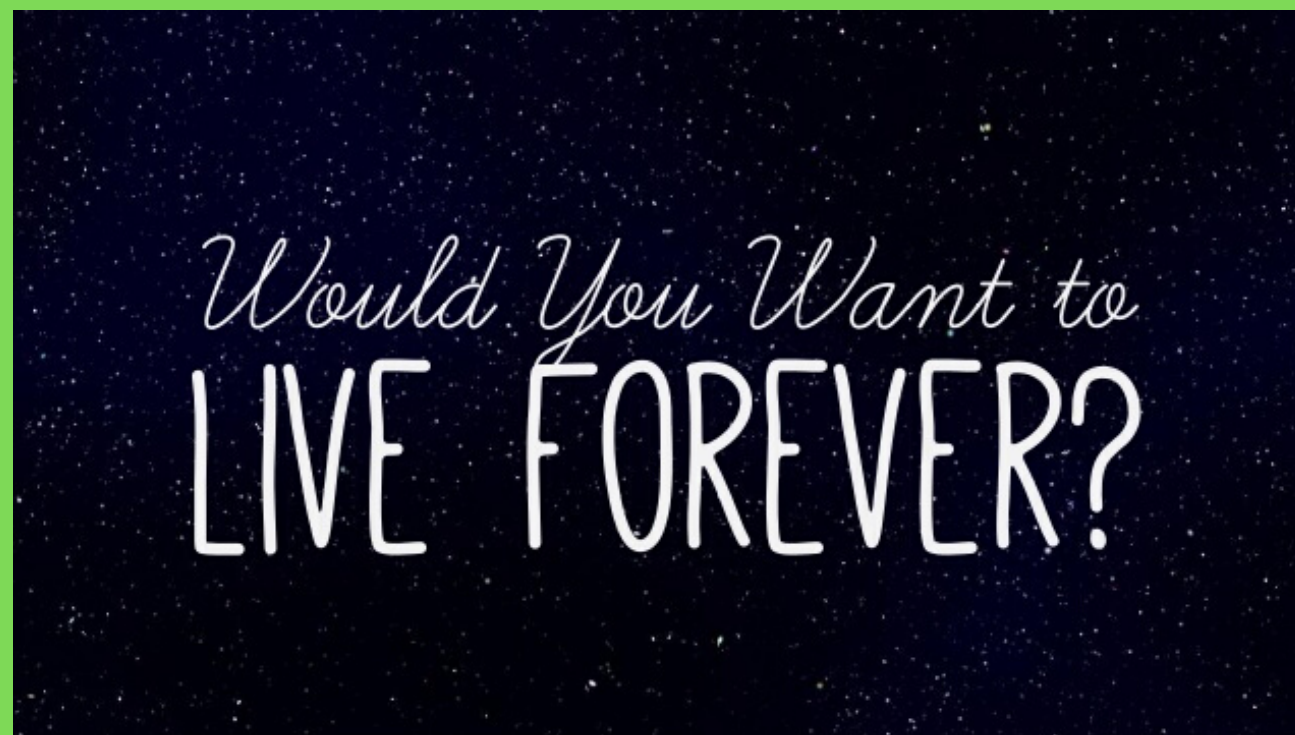
GLOBAL ABUNDANCE CONTINUES TO GROW

Continued increase in global abundance: The number of individuals in extreme poverty continues to drop, as the middle-income population continues to rise. This metatrend is driven by the convergence of high-bandwidth and low-cost communication, ubiquitous AI on the cloud, growing access to AI-aided education and AI-driven healthcare.



trend 1.6

HUMAN LIFESPAN EXPANDS BY 10+ YEARS ON AVERAGE



A dozen game-changing biotech and pharmaceutical solutions - currently in Phase 1, 2, or 3 clinical trials- will reach consumers this decade including stem cell supply restoration, *wnt* pathway manipulation, Senolytic Medicines, a new generation of Endo-Vaccines, GDF-11, supplementation of NMD/NAD+, among several others.

trend 1.7

CAPITAL BECOMES EVEN
MORE ACCESSIBLE AND
ABUNDANT

From 2016 - 2018 (and likely in 2019), humanity hit all-time highs in the global flow of seed capital, venture capital and sovereign wealth fund investments. While this trend will witness some ups and downs in the wake of future recessions, it is expected to continue its overall upward trajectory. Capital abundance leads to the funding and testing of 'crazy' entrepreneurial ideas, which in turn accelerate innovation.



trend 1.8

AUGMENTED REALITY & SPACIAL WEB BECOMES A NEW 'NET

Augmented Reality and the Spatial Web will achieve ubiquitous deployment: The combination of Augmented Reality and 5G networks will transform how we live our everyday lives, impacting every industry from retail and advertising, to education and entertainment. Consumers will play, learn and shop throughout the day in a newly intelligent, virtually overlaid world



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trend 1.9

AI-HUMAN COLLABORATION WILL
SKYROCKET ACROSS ALL PROFESSIONS



The rise of “AI as a Service” (AlaaS) platforms will enable humans to partner with AI in every aspect of their work in every industry. AIs will become entrenched in everyday business operations, serving as cognitive collaborators to employees — supporting creative tasks, generating new ideas, and tackling previously unattainable innovations.



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trend 1.10

GLOBALLY ABUNDANT, CHEAP RENEWABLE ENERGY

Advancements in solar, wind, geothermal, hydroelectric, nuclear and localized grids will drive humanity towards cheap, abundant, and ubiquitous renewable energy. The price per kilowatt-hour will drop below 1 cent per kilowatt-hour for renewables, just as storage drops below a mere 3 cents per kilowatt-hour, resulting in the majority displacement of fossil fuels globally



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trend 1.11

DISRUPTION OF ADVERTISING

AI becomes increasingly embedded in everyday life, your custom AI will soon understand what you want better than you do. In turn, we will begin to both trust and rely upon our AIs to make most of our buying decisions, turning over shopping to AI-enabled personal assistants. Your AI might make purchases based upon your past desires, current shortages, conversations you've allowed your AI to listen to, or by tracking where your pupils focus on a virtual interface



trend 1.12

CELL BASED AGRICULTURE MOVES FROM THE LAB INTO INNER CITIES

This next decade will witness the birth of the most ethical, nutritious, and environmentally sustainable protein production system devised by humankind. Stem cell-based 'cellular agriculture' will allow the production of beef, chicken and fish anywhere, on-demand, with far higher nutritional content,



trend 1.13

INCREASED FOCUS UPON SUSTAINABILITY AND THE ENVIRONMENT:

An increase in global environmental awareness and concern over global warming will drive companies to invest in sustainability, both from a necessity standpoint and for marketing purposes. Breakthroughs in materials science, enabled by AI, will allow companies to drive tremendous reductions in waste and environmental contamination. One company's waste will become another company's profit center.



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trend 1.14

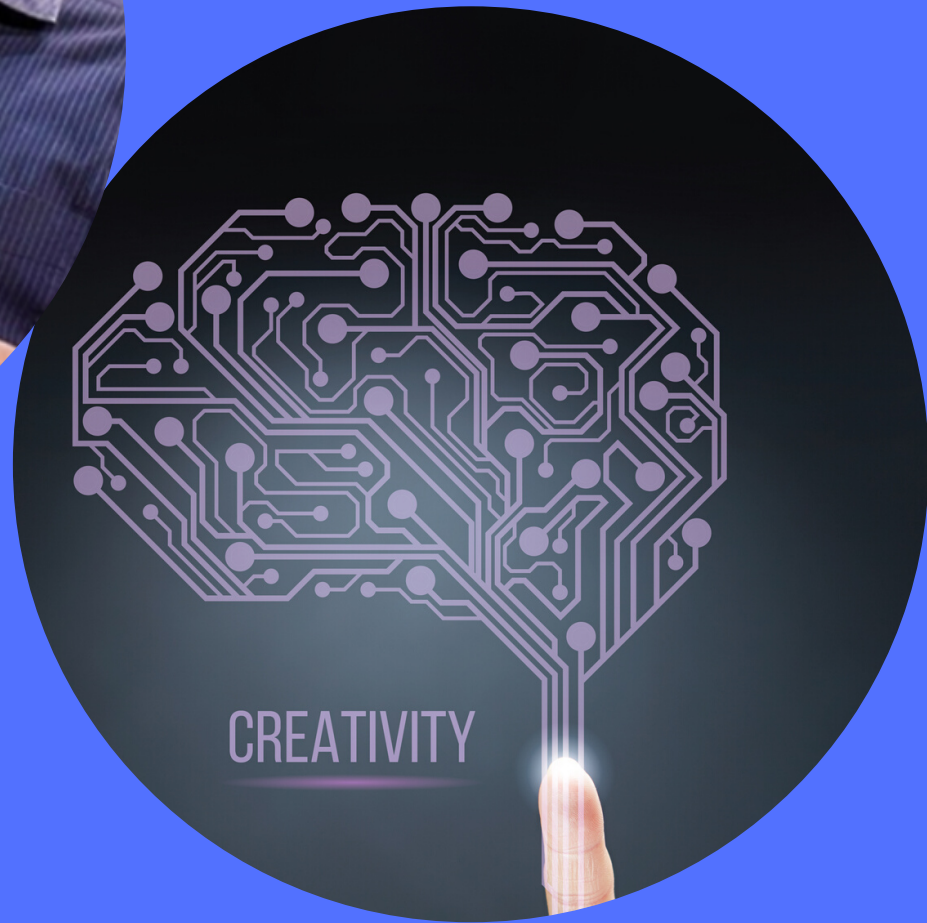
CRISPR AND GENE THERAPIES WILL MINIMIZE DISEASE

A vast range of infectious diseases, ranging from AIDS to Ebola, are now curable. In addition, gene-editing technologies continue to advance in precision and ease of use, allowing families to treat and ultimately cure hundreds of inheritable genetic diseases



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trend 1.15

BRAIN-COMPUTER
INTERFACES (BCI) WILL COME
ONLINE FOR PUBLIC USE

Technologist and futurist Ray Kurzweil has predicted that in the mid-2030s, we will begin connecting the human neocortex to the cloud.

This next decade will see tremendous progress in that direction, first serving those with spinal cord injuries, whereby patients will regain both sensory capacity and motor control.

Yet beyond assisting those with motor function loss, several BCI pioneers are now attempting to supplement their baseline cognitive abilities



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trend 1.16

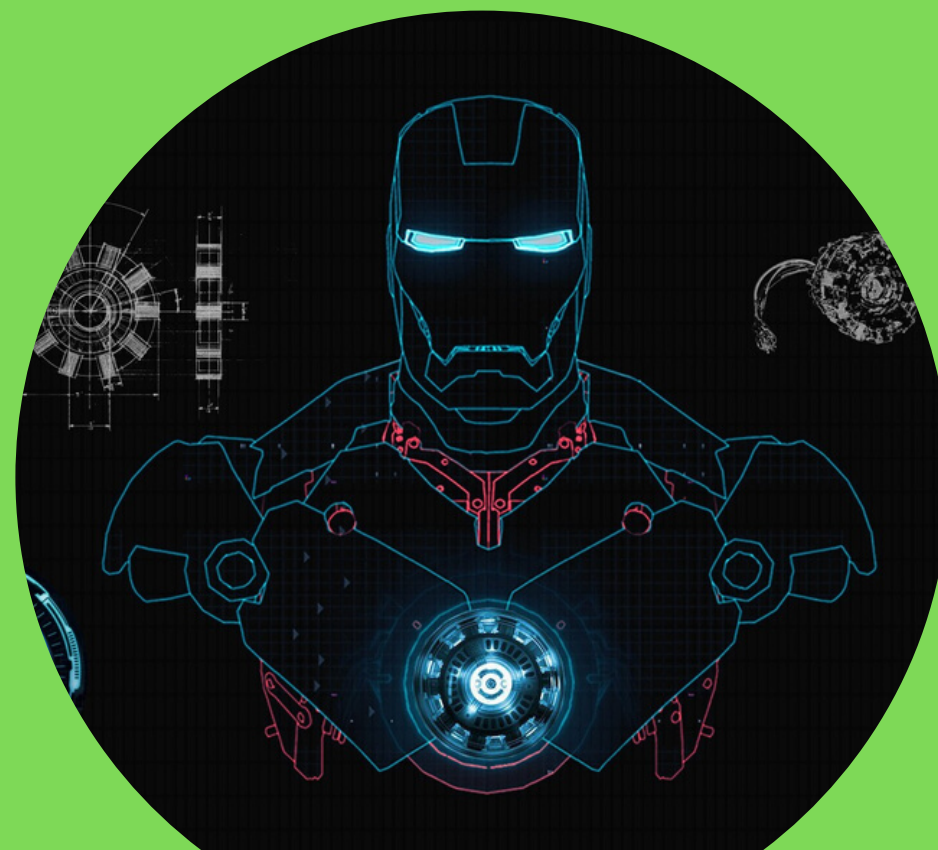
APPs become device independent

The 2010s were the App Decade.

The advent and growth and advancement of the smartphone pair with addictive social products like Facebook, Instagram and Twitter will give way to a decade of an increasingly device independent personal web.

That means new interfaces like voice, AR and VR, bots.

That means your apps are everywhere.



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trend 1.17

PRIVACY CONCERNS ARE MET WITH A
PERSONAL IDENTITY BUFFER-LAYER-
AS-A-SERVICE

9/11 saw an assault on personal privacy and we were told we had to live with it. [Edward Snowden Says What?]

"Us" as the product lacked a really important buffer between the actual "us" and the companies trying to sell us stuff.

Hackers have taken advantage.

A digital privacy layer where we create identities that mirror our interests and desires... and that will be sufficient as advertisers and ecommerce sellers really only needed to know we'd keep buying stuff if they show us the right things.

trend 1.18

WORK BECOMES MORE LOCATION AND COMPANY INDEPENDENT

Despite California passing Assembly Bill 5 Freelancers ... will surpass employed persons in this decade.

Tools like Zoom and Upwork advance or are supplanted by A.I. platforms that help solve the commoditizing and pitting of creatives, developers and digital braniacs against each other. [You don't need the cheapest developer do you, you want the best right?] {-Right}.

If you got suckered into the Media lie that WeWork is dead or in trouble, think again. Go to a WeWork they are full. [Then sign up because that is where you'll be working.]



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trend 1.19

B2B MARKETING/SALES GETS A.I. ASSISTED. FINALLY.

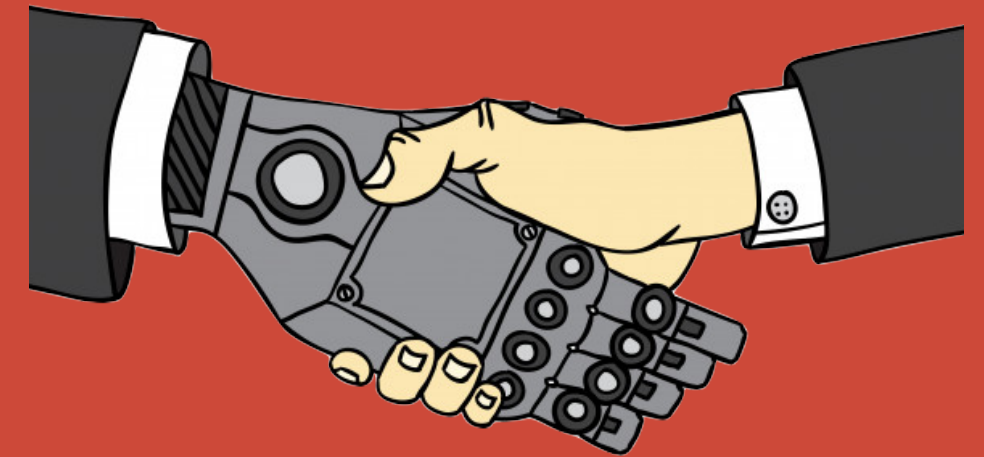
[Q: It's 2020, I don't get it-- why don't people answer the telephone?

A: Well, I'll tell you.. wait what the f*** is a telephone?]

Instead Monsieur and Madame Freelancer or Business owner (that is you btw and more of you are coming) you will no longer have to spam or cold email "leads" with unwanted messages. B2B marketing technology evolves beyond trying to cobble together emails and landing pages and "ethical bribes" that secretly track reader personas hoping they become clients some day.

Instead you will be referred by a trusted A.I. & matched with awesome clients who appreciate you... with a high probability of needing what you love to do... and you will say the exact right thing when you meet because your A.I. told you to. And the client will give you the money you deserve because you say the beautiful words. ... and the risk to them of you delivering the work they need and want moves towards zero.

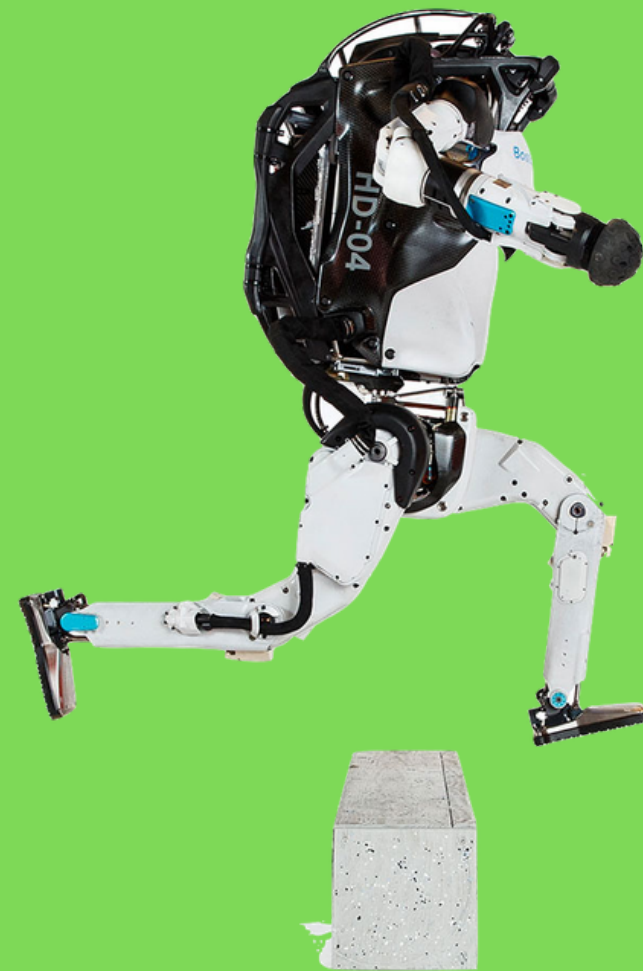
Thank you Artificially Intelligent freelancer soft layer. I might build this.



trend 1.20 robots

NO REALLY, THIS TIME IT'S NOT A MOVIE

Your A.I. gets a body. Actually you'll be able to even get a robot body. Merge with it in fact. This is not a joke. Exoskeletons, little robots, big robots, flying robots, driving robots, cleaning robots, dog walking robots, heavy lifting robots, killer robots (I'm sorry but it is also true.



NOW WHAT?

Let's work
together!*



*this is not me, it's only
an avatar

WOULD YOU LIKE A STRATEGY
TO FIGURE OUT HOW TO MAKE
SURE YOU ARE IN BUSINESS IN 10
YEARS?

me too. lets do it together

TAP MY ROBOT AND LETS TALK

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Peter has a new book coming out:

[The Future Is Faster Than You Think: How Converging Technologies Are Disrupting Business, Industries, and Our Lives](#)

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