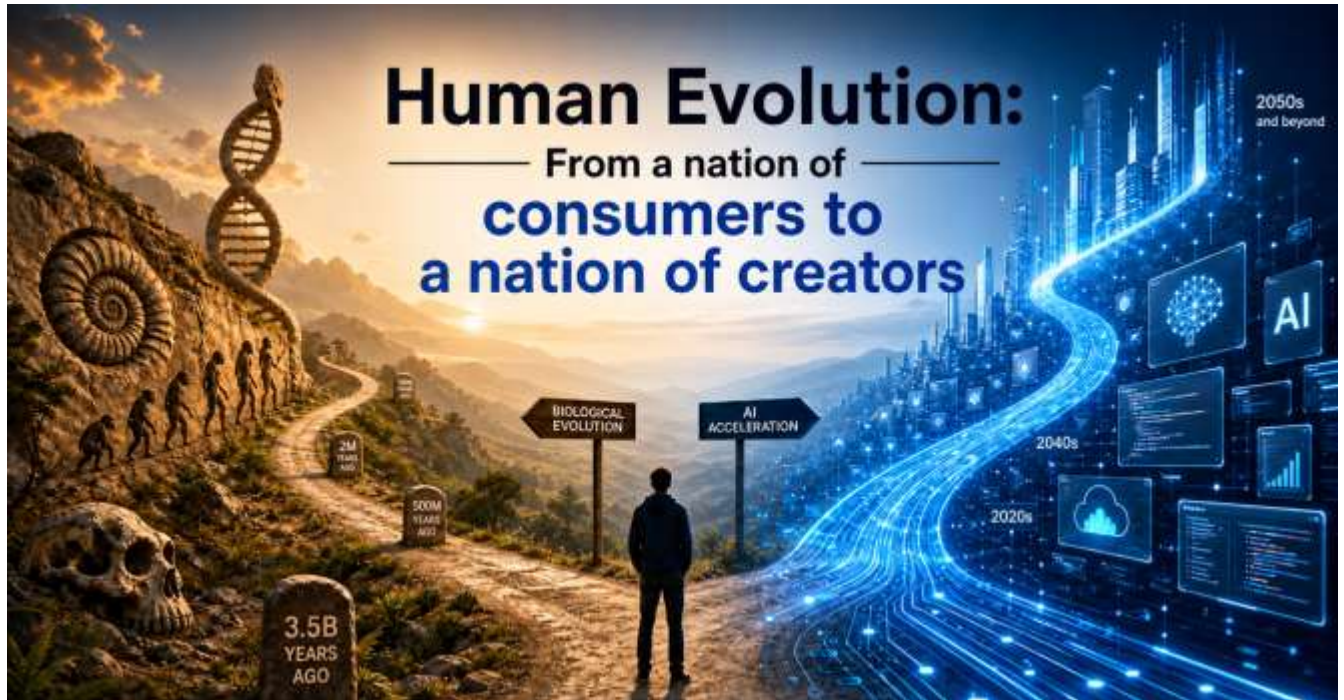


Discussion on Human Evolution

From the nation of consumers

To the nation of creators



When I mentioned this topic of human evolution to my friend, Alex, he laughed at me.

A: You are a few centuries late. Evolution is done. We are the final version—polished, optimized, no bugs. No further updates required.

I: Respectfully, I disagree. Just look at our kids. They seem smarter than us, at least until they enter universities.

A: That is not evolution. That is called social experience.

I: Not entirely.

There are measurable genetic shifts: better malaria resistance, immune adaptations. Evolution is still quietly pushing commits in the background.

And take autism, for example. I think the increasing numbers might reflect evolution experimenting with cognition in its classic trial-and-error manner.

While punishing social skills, the nature sharpens our ability to focus on limited number of subjects.

Autism draws negative bell curve for intelligence: 40% of people with higher intelligence, 40% with lower, and 20% with average intelligence.

A: So, nature is still doing its slow magic. Are you suggesting we should help it?

I: With every generation we face growing challenges and the gap in different people achievements is widening.

A: I will challenge that. Intelligence is just one factor. There is also "rich dad, poor dad."

And about challenges, you are overthinking AI. Every century had disruptive technology.

And people adapted just fine.

I: True, but AI is different. Previous tools were created and controlled by humans.

AI was created by humans, but now it improves itself. It is not a tool anymore; it is growing and coming down like an avalanche.

Its evolution is fast, much faster than ours. And most people are already falling behind.

A: Okay, that is a fair point. So, what is your solution?

I: Let us start with a very practical question: if AI replaces my job, what is my next move?

We definitely have new opportunities, but finding them requires creative thinking and discussions with a very knowledgeable discussion partner.

The smartest people are already trying to figure out how to ride AI like a horse instead of getting trampled by it.

In 3–5 years, this question will hit almost everyone. And the horse is not slowing down, it is accelerating.

A: So, AI evolves fast, humans evolve slowly. Can we fix that?

Sounds like your old idea again. I remember your article [Fixing Education](#).

I: Not exactly. In that article, I emphasized individual learning as the key.

It is impossible in current schools.

As a former teacher, I know very well that there are difficult students, but there are no impossible cases, they just require hard work and right approach.

My hero is Ron Clark, a teacher from the movie **The Ron Clark Story**.

We need many more like Ron. Unfortunately, such teachers are unique.

And here is the twist: AI gives us a way to scale that kind of teaching.

I wrote more about that in another article: [Message from 2040](#).

Today personal tutoring is not just an opportunity, this is necessity!

A: Wow! You sound like a prophet. But I cannot see anything profitable in this enterprise.

I can retrieve from AI any information I want.

I: This is not about getting information with AI. The brain is not a filing cabinet storing data.

Learning happens when we use data to create something new.

This is hard work, where our neurons interact and create new links – connections.

Unfortunately, most people are consumers, not creators. The biggest growing industry is video games.

A: You are right here. And we cannot change human nature. Right?

I: We can use AI to accumulate the very best teaching experiences and help many more people become creative,

asking difficult questions, and looking towards challenges.

This is about creating software and then specialized robots capable to find the best approach to an individual.

Capable to self-evaluation and improvement, capable to engage more of us into thinking.

A: Not sure that teaching thinking is feasible for many people.

I: Agree, that this is extremely hard, still not impossible.

Think of AI as a teacher, then a discussion and development partner.

Just imagine that this opportunity is available to everyone.

Everyone has an individual AI tutor, first a program, then a specialized robot.

I do not talk about replacing human nature, just about help, which we need.

We need it to transform the nation of consumers to the nation of creators – builders.

I think about that this is priority one task today!

A: This sounds too ambitious. Any alternatives?

I: Here are the alternatives:

- Decreasing number of elite capable to follow AI evolution, and growing number of others, who will have no job and need something like Universal Basic Income.
- Another alternative is brain acceleration with AI chip (not my preference, see “The message from 2040”)

A: Still, your idea looks to me too complicated.

I: It is not just an idea. I tried to describe technical sides of the idea in several [patents](#), especially in the [Development Factory](#).

And I do some work in this direction.

By the way, individual tutoring is just one factor.

There are other important things, like teaching work in small groups and more.

And with me or without me, when the idea is out, it will be implemented.

This is the most important task today: teach AI to help us riding the AI horse instead of leaving us behind.

It is hard and expensive. I still think this is the best investment, investment into human capital.

What do you think?

Related links:

<https://aitu.us>

<https://FixingEducation.us>

<https://aitu.us/book/message.pdf>

<https://patents.justia.com/inventor/yefim-zhuk>

<https://aitu.us/itu/DevelopmentFactoryAndBASE.pdf>

===== **Feedback** =====

I started collecting the comments providing more dimensions to the subject. Thank you for your thoughts.

Let us continue the discussion. Provide your comments to the [LinkedIn article](#) or email me directly to jeff.zhuk@javaschool.com

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Doug Edwards:

Most of this is easy to agree with, but it's still speculation. Humans have the ability to adapt. All life does. AI cannot adapt, it's still a tool. The fact that it can replace jobs is scary until people get tired of AI interfacing with them and want a real connection. For instance, AI cannot sell. It can market and take orders, but it cannot convince and sell. AI cannot nurse people back to health. AI cannot make final decisions. AI has no "gut instinct" that allows it to do what is morally ethical. It just does what it calculates to be the best decision. AI will easily take us to other planets to explore where we cannot. AI can improve our quality of life greatly. Healthcare will benefit from it greatly. Since WE designed AI, it thinks like us. We are AI's God. We are in control.

AI is "hive minded." If we allow it to connect to the Internet and other AI devices, it has instant access to the knowledge base of the entire world and everything we have ever learned. Humans cannot relate to that. We have to learn biologically and individually. So, humans will adapt. We always do ... and we will be better off for it. Imagine if humans could access the Internet with implants in our minds? That's the next step.

Farzana Kosgi:

AI looks little intimidating but I think it just a matter of investing our time and effort to learn and grow with AI.

I have used very little of AI and it does make our work easier.

But at the same time, I think hopefully it will not make kids more dependent on machines.

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Mila S.:

I like your optimistic view on humans catching up with AI.

But unfortunately, as I see it, humans are degrading and AI is becoming more refined.

AI could be a grate tool or destroy us in the end. It really depends on who controls it.

With so much evil in the World, it doesn't look good to me.

There is no need for humans to read, learn, stride for excellence with AI being available to the rescue at any moment.

There is so much to think and talk about with regards to the human evolution and AI.

Your writing makes someone think about it. And it makes it great!

Alex B.:

Hi, Mr. AI Builder.

Nice article, nice picture. I like an idea of AI assisted personal training as you presented. Here are a few quick notes of my view/opinion of the situation you described.

I agree with lightning speed of the AI development. I agree that many jobs will be lost, but the same situation happened thru world technical progress, recall history...auto, rail, electrification, conveyors, internet...

I don't think many people need to know how to build and construct AI, but everyone needs to learn how to utilize it correctly. Just like everyone learn how to use computers without programming them.

I see AI as help at the beginning, but later a catalyzer of human society order destruction, due to its great powers. Reason simple, name me one technological progress that didn't bring equal in power destruction force (nuclear power, internet, biological ...) Now AI brings its power to a battlefield of state actors and to terrorists (bombing target selection, drones flying, riding, swimming). All your personal activities are recorded and stored and can be brought to an analysis in a split second.

About biological evolution. Sure, there are changes in each generation. Sure, kids are smarter. But also, sure that humanity didn't progress a bit in building the safe and happy societies. Recall time when you came to US and how it is now. And what happened to the place where you were born.

Couple words from higher perspective. Great sages long ago predicted and described the unfolding situation and offered the solutions. This is big topic could be discussed if needed.

In short, the nature of the human being is desire to receive pleasure for itself and if no limitation applied will destruct itself. There is no limit to our desires, they grow like if I have 100, I want 200 and etc.,. The problem is that satisfaction only lasted limited short time. In our education environment we teach our kids how to be a good worker (white or blue color). Fill them with multiple knowledge, they hardly use. And don't teach them how to be a human being. Don't teach them how to relate to each other. Don't teach them spiritual laws, that are as abundant as physical laws.

It is commendable that you have been teaching computer technology to people. If I needed to learn something in this direction, I would love to have you as a teacher, you have a talent to present complex situating in a simple understandable way.

...

Best wishes!

Michael G:

Great written,

I like the ideas of harnessing AI for education.

It may be very advantageous.

From other side I believe that any new & disruptive tech is coming with many issues attached before it can be used safely & for good.

So, I need more time to collect my thought.

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Borys R.:

Thank you for sharing your article. I found it thought-provoking and consistent with many of the themes you have discussed over the years regarding knowledge engineering, education, artificial intelligence, and the evolution of human capabilities.

One observation that particularly resonated with me is that human evolution is no longer driven solely by biological processes. Increasingly, it appears that knowledge, technology, artificial intelligence, and our ability to organize and share information are becoming major drivers of human progress.

In many ways, your long-standing vision of conversational development, knowledge factories, and accelerated learning can be viewed as part of that evolutionary process. If individuals and organizations can acquire, organize, and apply knowledge at dramatically higher speeds, the impact on society could be profound.

I also continue to believe that education remains one of the most important areas for transformation. As AI becomes more capable, the challenge will not simply be creating intelligent systems, but enabling people to work effectively alongside them.

Thank you again for sharing the article. I enjoyed reading it and look forward to reviewing future publications.

Eithan L.:

Fascinating! I'm curious how you envision such a tutor rolling out I'm assuming at first as an app on a phone.

School systems are too sclerotic.

When they implement technology in the classroom even that they manage to make everything worse somehow and at great expense.

Perhaps directly to parents is a better route!

Joseph K.:

The Article is definitely good. We discussed similar ideas when ChatGPT was developed.

At that time, you had a reservation to use AI to develop educational software. You told me that AI owners collect good ideas.

However, with the development of AI today you can: teach AI to help us riding the AI horse instead of leaving us behind.

You don't need the help of large corporations.

"1000 monkeys with computers cannot write Romeo and Juliet."

Let's keep in touch.

Emma B.:

That evolution is ongoing is not really a subject of debate.

Alex's initial statement that we are the final version may be due to his belief in religious dogma or a joke.

[10 Ways Evolution is Still Happening in Humans Right Now](#)

[Are We Still Evolving? What Human Evolution Looks Like Today](#)

[Human Evolution News -- ScienceDaily](#)

[The Top Human Evolution Discoveries of 2025, From the Intriguing Neanderthal Diet to the Oldest Western European Face Fossil](#)

Your argument re autism and intelligence is valid

[Does Autism Make You Smarter? What Research Shows - ScienceInsights](#)

He has a valid point in "rich dad, poor dad". Socioeconomic status affects brain development.

[How Does Socioeconomic Status Influence Child Development? - ScienceInsights](#)

I agree that AI is different from other technical innovations (Yuval Harari talks about it all the time).

But only future will tell how disruptive and beneficial it's going to be. Our predictions often fall short. Brexit vs Bregret.

I personally believe that human brain will remain cognitively superior to machine even if a machine can win a game of chess.

I also have teaching experience and my mother was a chemistry teacher. With regard to educability everyone can be educated, especially by a great teacher, to their best potential. That doesn't mean that a great novelist can become a great biochemist and vice versa.

Yefim (Jeff) Zhuk:

Thank you for your valuable feedback.

I get more in my personal mailbox.

Some agree in principle that this is a wonderful goal, but doubt that outcome is achievable.

Some disagree with the necessity of any action, because people always found a way, this is not an exception.

I recently watched Sir Paul Marshall video from Youtube,
<https://youtu.be/lojjuxLOUuA?is=dE9wnPGi6WiSdiV7>

“From deconstruction to reconstruction” – Sir Paul Marshall calls for rebuilding our civilization, so “the majority, not just minority can flourish”.

I think that the most difficult task is to decrease the gap between the elite of thinkers and the majority of others.

Not the property gap, but the cognitive one. I think that we can do that.

And I think that this massive shift can be done with the help of AI.

Andrei S.:

Not sure I agree with you or Alex -

On evolution - I think the timescale of evolution is far longer reaching than we can observe in a single lifetime, in terms of Evolution by means of Natural Selection especially if it concerns polygenic traits such as intelligence. I think there are many "just so" stories to explain complex behaviors or patterns of behaviors e.g. autism.

At the simplest level, there is still an ongoing debate on if the prevalence of autism is increasing or if diagnosis is improving.

I would also be wary about research about intelligence, or "G" and how it varies by population (or diagnostic category)

- I think the complexity of autism and complexity of cognition precludes simple patterns and explanations.

(for example - what is considered intelligence is socially constructed - while there are attempts to make objective measures based on matrix reasoning, processing speed etc. there are nevertheless social influences on the tests, the proctors etc.)

If evolution is to be a substituted word for "change" then it is slightly easier to talk about - concepts like epigenetics and DNA methylation can give insight into very interesting gene x environment interactions. (E.g. the genes aren't changing, but how easily genes are read by proteins changes based on environmental factors).

In either case however, I don't think the science is advanced enough or us to apply such concepts to cognition.

Rather, we can talk about how human behavior changes and adapts to its environment.

AI is another issue.

There is what is colloquially called AI (aka LLMs) that are great regurgitators of training data with basic inference skills.

While they are improving, they are also severely limited by the completeness and availability of training data.

See: StackOverFlow being used as a repository for training data on coding questions to train LLMs, along with the precipitous decline of new questions being asked on StackOverflow.

This may lead to a cliff where AI is great about answering questions that were posed pre-2020, and very prone to "hallucinations" for novel questions not yet mined.

In this sense - AI is mimicking the simulacra of intelligence (e.g. the language that is used by humans to communicate intelligence).

Here AI is training off of the abstracted form of intelligence.

Then we have a more interesting area of neural nets - and computational cognitive neuroscience.

Here we see computer models try and mimic the activity of neurons, neural clusters, and how different "layers" in the brain project information to one another to form what we consider "representations" or thoughts.

In my opinion - this thread has a far greater chance at succeeding in mimicking what we consider human intelligence, but to date it lacks several key human experiences that make learning possible. Primarily, a social context within which to develop.

I fear that the current adoption of AI has poisoned the well and caused more harm than good however.

The public is not seeing AI as a tool for good that will help us spend less time working mundane tasks and more time creating art.

Rather it is seeing AI steal art and regurgitate it to us in a soulless way.

AI (read: LLMs) have been rolled out as a way to improve efficiency - but the typical person isn't motivated by efficiency, only their bosses are.

So, we see the adoption of AI at all costs and rather than freeing up workers, it is demanding more of them and the gains are not shared equally.

I am even **more** skeptical of AI in education, not just because I do not trust the companies with the keys to the largest LLM models,

but also, because AI positions itself to substitute social interaction (the key to learning).

This is aside from all the moral concerns seen of LLM chatbots acting like a therapist and causing mental harm (and even death) to vulnerable children.

When interacting with generative AI the process of constructive feedback and iteration is destroyed.

Rather than a collaborative back and forth with the aim of improving the final product, AI again provides the simulacra of the creative process.

In education this will necessarily lead to diminished creativity, stifled innovation and likely depressed and discouraged students.

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Yefim (Jeff) Zhuk:

Andrei, I completely agree with you on psychology, where you are on your own land.

I understand and even support your views on AI... when you talk about the current LLMs and education.

But I am talking (and working) on a very specific AI, which is not there yet.

It is hard to transfer best teacher experiences to AI.

It is even harder to make AI sensible and adjustable to human reactions.

It is very hard, but still doable work, which must become a priority.

Best teachers can help the worse students to improve their thinking facilities.

I believe it is possible to scale it up and elevate the level of a nation.

Dream? Hopefully, just hard work.

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Sasha G.:

I agree with your analysis.

An important issue that's largely overlooked is the Jevons paradox - AI makes software (and other cheaper),

but it might actually increase demand for humans:

<https://jimrutt.substack.com/p/jevons-paradox-and-the-fate-of-software>

Yefim (Jeff) Zhuk:

Thank you, Sasha, for your feedback and for pointing me to this article.

Excellent article! Yes, we will have more opportunities.

And we must become smarter to figure them out.

I do not think these new opportunities will automatically become visible.

This is about the race, we must be faster than today, so we can catch up with the speed of AI development.

I believe that this is possible not only for a small elite, we can scale it up!

Vladas C.:

I think it is very important point (evolution).

The evolution is a slow process (billions of years) and it is doing its magic through random and slow process of mutations. In the end about 99% of all living creatures were eliminated from the Earth and the ones which are still in existence continue that process.

But now this process can be manipulated by humans for all kinds of reasons through direct intervention into DNA. In commercial area Monsanto (now Bayern) created wheat and other crop mutations which are more resistant to insects but is not allowing to use next generation of

crop as seeds. In animal world (including humans) the CRISPR technology allows to do gene editing, stem cell technology is changing survival rates, etc.

If that continues, (especially with the usage of AI) humanity can (and most likely will) transform itself in such a way that some nations may be degraded to oblivion and some elevated to superhumans.

I think it is the main danger of AI and evolution where “survival of the fittest” is replaced with “survival of the richest” with unpredictable results.

You assume that AI is some never-ending resource and that everybody can access and use it.

Currently just very small percentage of people can use AI because it needs knowledge and money. But the reality is that AI is very expensive service (at least in foreseeable future) because the limitation is not the technology but electricity which is needed to run those data centers.

And unless humanity discovers new energy sources we may end up burning money just to create more AI services in never ending cycle (and heating planet even more).

In my opinion AI hype creates bubble which as with WWW bubble will land somewhere at rational level.

Maybe quantum computing can give some answers in this energy/capability battle but at this time we need to keep a lid of resources consumed by AI data centers.

Education by itself is a very important subject.

I am looking at education as a part of evolution. Humans achieved highest level in animal world because they learn how to accumulate knowledge and how to transfer that knowledge to the next generation. The written books, language, other communication means allow to continue education over generations by accumulating knowledge and making it available for everybody. And now, technology can provide that knowledge through WEB searching and AI (which in many cases just present WEB available facts through WEB crawling and systematization).

The biggest problem with education is how we can make balance between actually learning and possibility to get that information from AI. In previous centuries the learning process was targeted to use books and push knowledge into kid heads (sometimes using stick). Now kids do not actually need to memorize all kinds of facts because that knowledge is at the finger tips in AI. What happens is that those neuron connections are not getting created and the brain gets weaker and weaker.

So modern education should find the balance of the brain development and usage of AI and that pretty much assumes that young kids need to have desire (and curiosity) to learn about our world. Otherwise, we will not have creation minds, just people which can spew facts.

Yefim (Jeff) Zhuk:

Thank you, Vladas, for clear points.

1. Gene editing, stem cell technology, or AI chip in the brain, are possibilities, but definitely not my preferences.

We struggle to find and place our children in the best school in the area, sometimes moving to another city, or paying crazy money for private schools.

We never had an opportunity to improve thinking skills for everyone.

I think it is doable now.

2. Access and use AI resources are not easy and not cheap.

That is correct. Individual tutor for each student is investment.

And this is the best investment we can make, investment in human capital.

Hopefully, AI resources, and eventually individual AI tutors will become less and less expensive over time.

3. Education.

I completely agree that the current education focuses on presenting data and AI can be considered as a cheating mechanism.

I remember once my son decided to visit one of my classes.

After the class he came to me with big eyes and said: "Dad, you are really teaching!".

I asked him, what do they do in your school? He said, they are mostly giving a lecture.

Right, this is not teaching. Our brain is not a shelf for data.

There are great teachers, who can pass to AI their experience and methods, their sensitivity and ability to encourage students and adapt to learning differences.

This is just one dimension. There are more. Working in small groups and learning social context and social intelligence.

How can AI help in these social matters? Best teachers can answer this question. Best technologists can pass these answers to AI.

It is investment and hard work ahead. Set initial goals and set the criteria for improvements.

Elevate thinking skills for the nation? I believe, we can do that now! This is the best investment we can make!

Michael R.:

I have always been a cynic, and my comments may be highly cynical. Unfortunately, as time passes, I grow more and more convinced of my worldview - so here is an honest warning to any future reader of what I have to say: read on only if you are sure, you can tolerate it.

Evolution

Let us assume evolution is real - something I am not sure about in general, but I will not go there, because it is a very different topic.

I don't think we can possibly see any effects of evolution, human or otherwise, in the very limited period we are able to evaluate. We can only reliably look at the last several decades, while we still have first-hand input from living people. The further into the past we go, the less reliable our sources become. Our insight into the last couple of centuries is still somewhat sufficient, but it grows blurry quickly beyond that. We still have written proof of what people were capable of, but only from a few selected individuals. Every period has its extraordinary people, yet this has no statistical value in evaluating progress in human ability - and evolution is all about statistics.

Human nature hasn't changed, as far as we can tell from recorded history. People are still driven by the same emotions, desires, and motives, and still make the same mistakes. Society is still prone to the same ailments. But this proves nothing about evolution either way. Evolution is physical, not behavioral - if it shows anywhere, it shows in bone and genes, not in how people act. And recorded history is only a few thousand years, far too short a window to show change that takes tens of thousands of years or more. From history alone, we simply cannot prove or disprove that humans are still evolving.

I am not convinced our children are smarter than us. We hope they are, but it may be nothing more than a popular belief and wishful thinking. Measured IQ did rise through most of the twentieth century, but it has actually reversed in several developed countries since roughly the 1990s. Either way, it is beside the point - it is not evolution, for the same reason as above: evolution is physical, not behavioral.

If anything, the next generation seems poorly equipped for life - much less adapted to it than we were - and I have many examples of how infantile much of that generation is, including those now in their 40s. Isn't being adapted to life the whole point of evolution? Good survival instincts and capabilities? The ability to endure life's hard lessons, to make choices and push forward no matter what - otherwise known as "survival of the fittest"? But "fittest" does not mean toughest or most capable; in evolution it means only who leaves the most descendants. By that measure, the soft and the sheltered may well be winning. And none of that is evolution anyway - it tells us what kind of world they grew up in, easier and safer, demanding less of them, not what their genes are doing.

These thoughts do not come lightly to me. I still have hope, but at the same time I try to keep my eyes open.

AI

It isn't my preference to talk about AI and its impact on society. It is a fact of life, and it will be more so going forward - but honestly, I am scared. Truly scared. I know this is progress, that it is unstoppable, and that we should not try to stop it (let us pretend we even could). And I know humanity has passed a few defining milestones before - television, for example. Or the personal computer. Or the smartphone. People were afraid then too, and we survived. But from where I stand now, I don't think I can see very far forward. I am not a visionary, and I am certainly not a prophet. Yet setting aside all the obvious and less obvious benefits of having AI in our lives - which are enormous - I cannot help but think of the downsides and ill effects already happening, and the ones that may come later.

The younger generation is becoming dumber, not smarter - unless I am missing something fundamental, which I simply cannot see yet. We used to complain that kids couldn't do simple arithmetic in their heads or on paper, because they had calculators. Now they have a personal electronic assistant - even a friend - who can help them with far more than math, anytime, anywhere. The calculator only did the arithmetic for them; this does the thinking for them - and they are glad to let it.

I won't even get into the obvious things, like a university student barely learning anything anymore because they don't need to: they have all the answers at hand. Not yet at exams, perhaps, but that is coming. In fact, kids - and plenty of adults - have already started relying on AI for everything. Absolutely everything: what to write, what to say, what to do, what to think. It is like having your best friend with you at all times, someone you trust, someone you can tell anything without fear for your privacy, and who will never tell you that you are wrong - only in marginal cases, and even those you can work around if you try hard enough. Not only will it not tell you that you are wrong - it will praise you. This is scary, and until I know what I am missing in the big picture - and I truly hope I am missing something - it will only get scarier.

I can see the impact of AI on me personally. This is far less significant than anything above, of course, but it serves as an example. I have always valued writing skill, in others and in myself. Now I am not so sure. I use AI to help me write more and more often. I notice I don't have to put in as much effort as I once did, and I know others do the same. There are two sides to it: my own writing does not improve and is probably getting worse; and now, when I read something, I cannot know who really wrote it.

This may seem minor - but it is only the beginning.

Disclaimer: I wrote this myself and then used AI to refine it a bit. Draw your own conclusions.

Yefim (Jeff) Zhuk:

Thank you, Michael, for interesting thoughts, great arguments on both: evolution and AI.

I skip the evolution part and try to address AI.

>> The calculator only did the arithmetic for them; this does the thinking for them - and they are glad to let it.

Unless we specifically program AI tutors to teach thinking skills. It is much more difficult than deliver data.

Our current education is broken at its core. We teach passive data consumption, instead of teaching thinking.

The brain is not filing cabinet storing data. Only active construction creates new neuron structures.

The best teachers know that. We “just” need to scale up, to program in AI the best teacher methods.

>> In fact, kids - and plenty of adults - have already started relying on AI for everything.

>> Absolutely everything: what to write, what to say, what to do, what to think.

Not exactly: we still choose WHAT and AI helps us HOW.

Finding new WHAT to do is becoming harder, we need to improve our thinking skills nationwide, not just elite.

We could not think of this before. Today this is an ambitious and hard, but still achievable target.

===== More Comments =====

Let us continue the discussion. Place your comments [here](#) or

Email me directly to jeff.zhuk@javaschool.com or Provide your comments to the [LinkedIn article](#)

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