

SAVING HUMANITY

HU JIAQI

TRULY UNDERSTANDING AND RANKING
OUR WORLD'S GREATEST THREATS

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PUSTAKA PERDANA



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An Interview with the Author by Bill Bergstrom

(President - VettedMedia and former White House Political Appointee)

In April of 2017, I had the unique opportunity to meet Hu Jiaqi. The dinner was set up by a business associate of mine who suggested that we discuss working together on medical tourism platforms.

I asked him about his background and quickly learned that not only was Mr. Hu an accomplished architect but he was also the creator of a massive online search engine in Asia. We scheduled some time to tour his offices whereby I met hundreds of his employees. I saw for myself that Mr. Hu's creativity and organization that led him to develop so many award-winning projects that helped transform China was now taking place online as he was developing an engaging platform for world-wide commerce.

Having a background in political campaign management and public relations, I have always been drawn to humble but impactful private sector individuals who are motivated to help their communities and the world around them. So, when we began discussing Mr. Hu's research and theories pertaining to common threats that every citizen in every country face, I was intrigued with his analysis because his background and recent experience provided him a unique perspective.

This material is important and it is critical that we listen to the voices of knowledgeable and impactful leaders like Jiaqi Hu. The analysis and review of threats is thorough but among the biggest takeaways for readers is the understanding of mankind's arc of emotional and intellectual evolution. Recognizing our civilization's current inability to really know the ramifications of our advancements risks our capability in managing their impacts. As a result, we may be creating bigger threats to our own existence on a daily basis.

Is our present civilization constructed to work together in order to provide a general quality of life and ensure safety? That question remains

as general regions of the globe become uninhabitable, artificial intelligence becomes uncontrollable and world organizations fail to function with efficiency and purpose.

This interview below will help provide you some context to both the author and material. The video content will be made available on line at <http://www.hujiqi.com> and as you read and think about some of these critical issues yourself.

William R. Bergstrom

President | CN Health Solutions, Inc

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INTERVIEW WITH THE AUTHOR, HU JIAQI

1. You have studied human issues for almost 40 years. What motivates you to never give up?

When I was in my primary and middle school, it was in the cultural revolution era in which China's education system was brought to a virtual halt. In addition, I grew up in a remote village. As a result, I knew little about science and technology before I went to university in 1979. After that, I suddenly came into contact with a lot of knowledge that I've never contacted before at the university. At that time, I learned that the former Soviet Union detonated a nuclear bomb which released energy approximately equal to 70 million tons of TNT equivalent. In fact, it was possible in terms of both technology and theory to develop nuclear weapon whose TNT equivalent reached hundreds of millions of tons or even greater. That meant power of a bomb was equal to that of total amount of high explosive in a train circling the earth. The destruction was definitely terrible. All these things made me think that if science and technology continued to develop, would humans become extinct one day? I quickly realized that it is an issue worth studying. It doesn't matter if science and technology takes thousands of or tens of thousands of years to get humans extinct. But if it is in the near future? Is there any issue more important than that? I quickly realized the issue is very worthy to be studied and I have studied it for almost 40 years from then. As the research goes on, I've increasingly noticed it is serious, vital and pressing.

2. You think continued development of science and technology will definitely result in human extinction in the near future. What are the bases?

In fact, nuclear weapon is a terrible means of destruction, but it will not cause human extinction. Because nuclear energy is released at one point in explosion of nuclear weapon. Some scientists suggest if all nuclear weapon around the world explodes, nuclear winter, in which billions of people will die, will occur. But someone will survive in the end.

According to scientific theory nowadays, more terrible weapons than nuclear weapons can be developed. For example, biotoxin produced by transgenic technology can target humans' vital organs. It has greater destructive power than nuclear weapon. Another example is AI that attracts our considerable attention at present. If the technology is used to develop intelligent machine for killing people, it will get out of people's control and independently decide which one it will kill. What's more, it is a self-replicating machine. Isn't it terrible?

Besides, AI will create consciousness similar to humans sooner or later. That is to say, it will eventually have thinking ability like humans. The machine, with thinking ability of humans, whose response speed is tens of thousands even hundreds of millions of times faster than that of our brains, so it has much greater ability to handle complicated problems than humans. As we know, the higher organism will look down on the lower organism. Even the higher will regard the lower as its food. It will be absolutely impossible for humans to control AI once it really reaches this stage.

At present, further development of lots of science and technology, according to the theory, will possibly cause human extinction. However, more terrible is the fact that humans put great enthusiasm in the development of science and technology just from the industrial revolution over 200 years ago. Humans have developed science and technology from very low level to so incredible level in over 200 years. We have many 200 years. Thus, it will not take long time for science and technology to get humans extinct according to simple reasoning.

My conclusion: Science and technology will get humans extinct in 200 to 300 years or even in this century.

3. If science and technology really have the potential to extinct humans, what should we do?

Continued development of science and technology will definitely get humans extinct soon, which is my first conclusion. The conclusion also tells us that if we want to avoid human extinction, we must limit the development of science and technology. The logic is very simple. Now that continued development of science and technology will definitely get humans extinct soon, we must strictly limit the development of science and technology if we want to avoid human extinction.

4. Science and technology is necessary for everything about us. Does your opinion completely negate science and technology?

Absolutely not. Science and technology is a double-edged sword. Sometimes it can benefit humans; sometime it can destroy humans. When the power that benefits humans gets great, the power that destroys humans will gets great, too. What worries me is its limitless development will get humans extinct and eventually make humans completely disappear. I say that we must strictly limit development of science and technology, because it must be so as a whole. But for the achievements of science and technology which are definitely safe and mature, we help them spread over the world instead of limiting its development. Because, without science and technology, it's difficult for humans not only to do lots of things but to survive as well.

5. So what should we do to limit the development of science and technology?

I don't think it's possible in this society. For humans, present social formation is country-based society. The highest power is the country in the society. Countries compete for various benefit. Competition between countries always results in the war where people will die. Both economic and military competition is in essence science and technology competition because Science and technology are primary productive forces. Thus, any country, for its survival and development, will not limit the development of science and technology for humans benefits. This is because the country will perish once it fails in the competition.

I think only when human unification is realized can the power of world government achieve the goal of strictly limiting the development of science and technology. Because there is competitive relationship between countries, while world government is shared by the world. World government considers and handles the issue from the perspective of humans.

6. Humans has always been in separate governance. Is it possible to realize human unification?

It now seems very difficult to realize human unification because it will affect many people's benefits. But we can presume that whether we can unify to fight with aliens when they invade. When aliens invade, they are our common enemies. If we don't unify, we'll be destroyed.

In fact, we are facing a huge threat of being completely destroyed. This threat is that the development of science and technology will get humans extinct soon. Why is it very difficult to realize human unification? Because the threat has not been generally recognized yet. The development of science and technology will definitely get humans extinct soon. If we can spread the idea over the world and help everyone truly realize humans will have future only by unifying to limit the development of science and technology. If we don't unify to limit the development of science and technology, humans will be completely destroyed. When the idea is widely accepted, human unification will be promising.

7. Even if human beings have achieved unification, how to guarantee that in the long term human division and the crazy development of science and technology will not happen one day in the changeable society?

This is a very good question, it's also the most difficult problem we face. In my research, my answer to this question is as follows:

We must impose strict restrictions on science and technology if human beings can achieve unification. This is only one aspect, the other more important aspect is to seal up permanently the advanced science and technology that may be harmful to humans and eventually forget, especially the scientific theory. Even if human society may be divided, science and technology are developed again after that, it still takes a longer time to reach a certain stage. When humans awaken again to impose strict restrictions and seal up technology, it may result that science and technology cannot reach the stage that can get humans extinct.

There are a series of designs for the future society in my research. For example, our future society should be peaceful and friendly instead of today's highly competitive society. A non-competitive society is not only beneficial to the realization of the people's happiness, but also could restrain the dizzying development of science and technology. I also make corresponding designs for the various systems including political system in the future. I divide the various political systems into two types: One is a centralized system, the other is a decentralized one. It's hard to say which one is better. For instance, the benefits of a decentralized system is its checks and balances of powers. Rights will not be in an unconstrained expansion. Its replacement is also

comparatively scientific. Its institutional policy execution and continuity of policy still need to be improved. While, the benefits of a centralized system is its strong enforcement and good continuity of the policy. Over-centralized rights may result in dictatorship, governor's absurd and irrational behavior, which is difficult to stop.

I also make a design of the political system in the future society. I think I can combine the advantages of the two systems according to my design. In this way, our future society can safeguard not only checks and balances, smooth transition of powers, but also its strong enforcement and good continuity of the policy. I think this designs are beneficial to long term stability of the future society and long term unification of the human world.

8. Who do you think who can play the biggest role in saving humanity?

Saving humanity is a big event of mankind, we have to rely on ourselves. I think the most capable people are countries' leaders. Therefore, I have written to big countries' leaders like China, the United States of America and Russia for many times to appeal. As a scholar, what I can do is to spread my research results.

9. You said you have encountered incomprehension and many obstructions when you study on human issue these years. Isn't that a contradiction because your company studies science and technology as well?

My book *Saving humanity* was published over a decade years ago. After only 2 days, it was asked to stop publishing. In these years, I have delivered speeches in schools and institutions, published many articles. I have written to many national leaders, influential research institutions and scholars expressing my points, but few people agrees with me. As a matter of fact, there is no much time for humans. Every step we take today is pushing humans to the abyss of extinction, which is why I'm so anxious.

Science and technology has achieved rapid development in past over 10 years. Especially the recent achievements like AI make many scientists realize the extinction problems might brought by this technology. Some scientists even called for rational development of AI, but these people are a minority. People don't realize that it is not a certain technology that gets themselves extinct, but the continued development will certainly make themselves

extinct. Without AI, there will be other technologies that will get humans extinct. It is time for us to make actions.

The last thing I want to say is bigger companies conduct scientific and technological research in their own fields. Even if my company does not conduct scientific research; other companies will also do it. If our company can go further in science and technology, we will give a hand when humans encounter unexpected incidents in the future.

霍金提出了三个和我一样的观点

今年是我《拯救人类》一书的第一版出版十一周年的时间，十一年间科学技术又有了飞速的发展，人类社会也有了许多的不同。

回想十年前，《拯救人类》出版发行时几乎没有一个人全部认同我的几个核心观点，哪怕只是认同我的某一个核心观点的人都少之又少。然而，仅仅短短的十一年，人类历史的一瞬间，科学技术的发展却已很大程度地改变了世界的认知。一些我当时的预言似乎今天就快要变为现实。以至于一些著名的科学家和学者都陆续提出了一些和我类似，甚至于是完全相同的观点。

以“霍金提出了三个和我一样的观点”为名作为《拯救人类》的第二版前言，就是想借当今世界最著名的物理学家史蒂芬·霍金展开我的说明。其实，这十一年来提出和我相同的一些观点的科学家有很多，以霍金为例完全只是因为他的名气大的缘故。

说“霍金提出了三个和我一样的观点”当然是想借霍金的名气衬托我研究成果的重要，这一点我毫不讳言。说是“霍金提出了和我一样的观点”而不是相反，是因为我提出的观点在先，霍金提出的观点在后，而且我提出的观点比他要早很多。这三个观点都在2007年出版的《拯救人类》第一版中有明确与详细阐述。

第一个观点：2010年4月，霍金指出，外星人几乎肯定存在，我们应该避免与外星人接触，千万不要联系外星人，如果联系外星人有可能会对人类被毁灭，因为人类斗不过外星人。霍金的推理和举例与我的完全一致，但比我晚了三年。

第二个观点：2014年12月霍金指出，人工智能技术终将产生自我意识并取代人类，因为技术的发展速度要快于生物的进化速度，当人工智能发展完善后，可能会导致人类灭绝。霍金的推理和举例与我的基本一致，但比我晚了七年。

第三个观点：也就是今年（即2017年）3月霍金在接受《伦敦时报》采访时指出，人工智能如果管控不好有可能灭绝人类，我们需要以更快的速度识别这类威胁，并在失控前采取行动，要做到这一点，需要组建某种形式上的世界政府。霍金的推理和举例与我的基本一致，但比我晚了十年。

以上观点肯定不是我借鉴了霍金的，多半是他借鉴了我的，不仅因为我在先，他在后，而且我的相关著作和文章不但发给过多国领导人和多个机构，其电子版都用中、英两种文字在多个网站上公开发过，不只有中国的网站，还有美国、英国等国家的科技、社会和政治类英文网站。

我想说，世界顶级科学家思考的观点正在趋近我的核心观点，而这些核心观点我认为事关人类的生死存亡，努力让世界接受这这些观点并采取相应的行动，这才是最重要的。同时我还想说，霍金的观点还不够深入，不够全面，不够彻底。

还在1979年我刚上大学不久就产生了一个很怪的想法，科学技术是一把双刃剑，既能造福人类，也能毁灭人类，那么科学技术照此发展下去会不会有一天把人类给灭绝。如果在不久的未来科学技术就会灭绝人类无疑是天大的事，那么我们有可能会解决这一问题呢？很快我就觉得这是一个很值得研究的课题，人的一辈子难得做成一件值得去做的大事。不久后我就决定，我这一辈子只有这一个事业。我从国家机关下海经商也是为了这一事业，因为有一定的经济基础后就可以静下心来进行研究与写作，并有条件推广我的研究成果。

几十年过去了，对于我而言，这件大事早已不止是一个事业，更多的是一份责任和使命，因为我的研究结论非常可怕，它告诉我，人类的发展道路出现了根本的方向性错误，这种错误有可能彻底葬送人类，使人类坠入万劫不复的灭绝深渊，而没有重新再开始的机会。

要严密地论证科学技术是否会灭绝人类，并找到化解这一危机的方案是很难的，完成这一工作我用了近二十八年的时间，并终于在2007年1月完成了我的《拯救人类》一书。这部八十万字的著作在还是样书的时候，我就将其寄给过中国国家主席、美国总统和联合国秘书长等26位人类领袖，除了伊朗使馆来过一个电话外，再没有任何反馈。

2007年7月，《拯救人类》分一、二卷由同心出版社出版，但仅发行了一天就被要求停止发行。

之后我又出版了《最大的问题》一书，还在香港出版了《论人类灭绝》和《拯救人类（精选本）》两部书，并发表过多篇文章，而且将《拯救人类（精选本）》和多篇文章用中、英文放到了网上。并为此建了一个网站，名为“胡家奇网”。为了陈述自己的观点和建议，我之后又多次给各大国的领导人和联合国秘书长等人类领袖，以及相关机构写信，还在一些大学和研究机构发表过演讲。

我曾与许多人进行过交流，但我的核心观点常被认为是杞人忧天，有些人甚至直言不讳地说我的观点是谬论。

虽然今天已经有不少科学家和学者提出了一些和我相同的观点，这是我感到欣慰的地方，但也非常遗憾，我最核心的观点目前还没有有分量的人提出，也没有有分量的人认可，这是我忧心如焚的事，因为留给人类的时间真的已经不多。

这些年的研究我形成了几个核心观点和一系列的分观点，做为《拯救人类》第二版的前言，这里只谈我的三个具有现实意义的核心观点，其他的核心观点本书都有全面的阐述。

我的第一个具有现实意义的核心观点是：科学技术的继续发展必定很快灭绝人类，长则二、三百年，短则就在本世纪，而且我认为多半会是后者。


其实现在已经有人提出了和我几乎一样的观点，2013年5月，与霍金同在一座城市的牛津大学人类未来研究院发布研究成果指出，人类最早将在下世纪被灭绝，罪魁祸首就是科学技术。这是由众多数学家、哲学家、科学家组成的专门的小组研究得出的结论。该研究成果和用例与我的研究成果与用例几乎完全一致，但比我晚了六年。

该研究院的院长尼克·博斯特罗姆在接受网络采访时表示：“人类的科技能力与人类运用这些能力的智慧正在展开一场重大比赛，我担心前者可能会遥遥领先于后者。”（博斯特罗姆说的这一担忧我称为进化失衡现象，曾发表过专门文章）。

Our world faces threats on many fronts—terrorism, environmental and natural disasters, and pandemics, to name just a few. In light of these growing dangers, we must ask: Is the total annihilation of the human race inevitable, or can we be saved? With a breadth and depth of knowledge that serves as a foundation to his proposals, along with almost forty years of research, *Saving Humanity* addresses these questions and assures readers that hope for human survival and happiness still exists, but only if we unite under a common purpose.


Chinese scholar and scientist Hu Jiaqi proposes that humanity won't be wiped out by war or nuclear weapons, famine, or climate change. Instead, the chief culprit raging against our survival is technology. If technology continues to grow and develop, human beings could vanish from the earth in less than two or three hundred years. Hu's solution to this problem will challenge and inspire readers as they realize that the future of humanity rests in our hands—now.

Devoting all of his time to his mission of spreading this message of hope and urgency, Hu Jiaqi is reaching out to leaders and people of influence who can be the giants to lead the charge of saving humanity. Please read and share, spreading the word and raising up giants.

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