

Forum: [Hack Forums](#)

Thread: [Quantum Computing](#)

xSh4dow - August 20, 2019, 12:07 pm

I'm curious, let's assume Quantum Computing has been perfected, how will an intellectual hacker in the forums proceed to beating its computational resources, it is said to be able to crack all passwords/codes, Artificial intelligence + deep learning would essentially allow this machines to win over any human? I want to know theories on how the greatest minds on the forums think in terms of combating this situation if it goes out of hand

[The Race to Harness Quantum Computing and A.I \[The Singularity\] - YouTube](#)

Rsynced - August 20, 2019, 12:25 pm

You have to drill your skull and hook your brain up to the neural network. Then you will be able to talk to the electric god and know everything in the universe ;)

webdev77 - August 20, 2019, 12:27 pm

(Aug 20, 2019 12:07 PM)xSh4dow Wrote: [\[CITE\]](#) it is said to be able to crack all passwords/codes Just dropping in to comment and note this is not a problem. Quantum encryption is a thing. It's extremely difficult to crack if not outright impossible due to quantum principles.

xSh4dow - August 20, 2019, 12:29 pm

haha, well let's assume it goes downhill, would the A.I God essentially be able to have full access of your brain network and essentially hack your mind?

Sigma - August 20, 2019, 1:18 pm

You would have to do physical procedures more than technical.

Donquixote - August 20, 2019, 1:32 pm

It would be hard to stop it if the AI is connected to the internet, AI engineers are prolly smart enough not give an AI full access to the internet and network protocols.

xSh4dow - August 20, 2019, 2:36 pm

(Aug 20, 2019 01:32 PM)Donquixote Wrote: [\[CITE\]](#) It would be hard to stop it if the AI is connected to the internet, AI engineers are prolly smart enough not give an AI full access to the internet and network protocols.

Sure, but not everyone in the world is pro-human, I like to see it as black hats, white hats, yin, yang, there is duality, polarity in our reality, there are some people who would rather just see the humanity abolish, I would rather see the world solving world problems together to further advance the human race into space "intergalactic", except everyone has trust issues so they want to remain in power for their own interest so they keep their patents, secretes, lock in the vault.

Lindros - August 20, 2019, 10:50 pm

(Aug 20, 2019 12:27 PM)webdev77 Wrote: [\[CITE\]](#) Just dropping in to comment and note this is not a problem. Quantum encryption is a thing. It's extremely difficult to crack if not outright impossible due to quantum principles.

Let's assume you have a quantum super computer trying to crack quantum encryption?

webdev77 - August 21, 2019, 12:16 pm

(Aug 20, 2019 10:50 PM)ZietzSeV Wrote: [\[CITE\]](#) Let's assume you have a quantum super computer trying to crack quantum encryption?

Quantum principles are based on physical phenomena. Imagine trying to get atomic and subatomic particles to do a little dance and then try to reproduce the exact same results some time later but you don't know the vast majority of variables that went into producing an encrypted message. It's not going to be possible to exactly replicate the original sequence of data even if you know roughly the inputs. A few tenths of a degree can greatly skew results, which is something that is not a problem in classical computing.

xSh4dow - August 21, 2019, 12:47 pm

(Aug 21, 2019 12:16 PM)webdev77 Wrote: [\[CITE\]](#) Quantum principles are based on physical phenomena. Imagine trying to get atomic and subatomic particles to do a little dance and then try to reproduce the exact same results sometime later but you don't know the vast majority of variables that went into producing an encrypted message. It's not going to be possible to exactly replicate the original sequence of data even if you know roughly the inputs. A few tenths of a degree can greatly skew results, which is something that is not a problem in classical computing.

appreciate your knowledge on this, you can make the complicated very comprehensible, I laugh when you said "Imagine trying to get atomic and subatomic particles to do a little dance", I imagine just that, so in your opinion what is an intellectual like yourself worried more about for the future of humanity other than wars, what technology you considered worth looking into, thanks in advance.

Lindros - August 21, 2019, 12:58 pm

(Aug 21, 2019 12:16 PM)webdev77 Wrote: [\[CITE\]](#) Quantum principles are based on physical phenomena. Imagine trying to get atomic and subatomic particles to do a little dance and then try to reproduce the exact same results some time later but you don't know the vast majority of variables that went into producing an encrypted message. It's not going to be possible to exactly replicate the original sequence of data even if you know roughly the inputs. A few tenths of a degree can greatly skew results, which is something that is not a problem in classical computing.

That is actually a fascinating explanation. I have very little knowledge on the subject, thank you for your input.

Bear - August 21, 2019, 1:11 pm

(Aug 20, 2019 10:50 PM)ZietzSeV Wrote: [\[CITE\]](#) Let's assume you have a quantum super computer trying to crack quantum encryption?

Quantum encryption is unhackable since it is using quantum mechanics to encrypt and transmit the data. Quantum encryption uses series of photons (light particles) to transmit data from one location to another over a fiber optic cable. By comparing measurements of the properties of a fraction of these photons, the two endpoints can determine what the key is and if it is safe to use.

Lindros - August 21, 2019, 1:15 pm

(Aug 21, 2019 01:11 PM)Bear Wrote: [\[CITE\]](#) Quantum encryption is unhackable since it is using quantum mechanics to encrypt and transmit the data. Quantum encryption uses series of photons (light particles) to transmit data from one location to another over a fiber optic cable. By comparing measurements of the properties of a fraction of these photons, the two endpoints can determine what the key is and if it is safe to use.

How close are we to common everyday quantum computing/encryption do you think?

Rsynced - August 21, 2019, 4:00 pm

(Aug 21, 2019 01:15 PM)ZietzSeV Wrote: [\[CITE\]](#) How close are we to common everyday quantum computing/encryption do you think? I don't see it becoming a consumer end product due to the fact that you would have to create a custom commercial or open source OS. I do see it becoming more of a hobby type of DIY build your own quantum computer within the next 10+ years. Just my guess.

<https://futurism.com/want-to-build-a-quantum-computer-heres-a-blueprint>

Lindros - August 21, 2019, 5:09 pm

(Aug 21, 2019 04:00 PM)Rsynchronized Wrote: [\[CITE\]](#) I don't see it becoming a consumer end product due to the fact that you would have to create a custom commercial or open source OS. I do see it becoming more of a hobby type of DIY build your own quantum computer within the next 10+ years. Just my guess.

<https://futurism.com/want-to-build-a-quantum-computer-heres-a-blueprint>

I can already see the incoming influx of massive skids using these to crack runescape accounts.

xSh4dow - August 21, 2019, 7:22 pm

(Aug 21, 2019 01:11 PM)Bear Wrote: [\[CITE\]](#) Quantum encryption is unhackable since it is using quantum mechanics to encrypt and transmit the data. Quantum encryption uses series of photons (light particles) to transmit data from one location to another over a fiber optic cable. By comparing measurements of the properties of a fraction of these photons, the two endpoints can determine what the key is and if it is safe to use.

So what you are basically stating is that it will be 100% secure, where anyone with bad intentions will be able to communicate with one another without getting caught, that sounds bad "Chief".

Rsynchronized - August 21, 2019, 10:20 pm

(Aug 21, 2019 05:09 PM)ZietzSeV Wrote: [\[CITE\]](#) I can already see the incoming influx of massive skids using these to crack runescape accounts.

lol - I think it would be a tad bit expensive for such use. I mean your looking at like \$10,000 worth of equipment here.

INeedHelpWithMyAccount1 - August 22, 2019, 6:52 am

I don't see them coming to public consumer use in the next 10 years. It has to be mastered and protected since the technology is very powerful.

xSh4dow - August 23, 2019, 9:00 am

(Aug 22, 2019 06:52 AM)INeedHelpWithMyAccount1 Wrote: [\[CITE\]](#) I don't see them coming to public consumer use in the next 10 years. It has to be mastered and protected since the technology is very powerful.

I agree as well, they will not have anything for the public until they have no more use for it, take the patent for a similar Vr System in

[History Of Virtual Reality - Virtual Reality Society](#)