

To: [REDACTED]  
From: Jeffrey Epstein  
Sent: Sat 9/7/2013 3:25:42 PM  
Subject: Re: Hey!

Great and will

On Saturday, September 7, 2013, Seth Lloyd wrote:

Dear Jeffrey,  
Just checking in to see how you are doing. Things here are good: John Preskill and I just posted a paper on black hole evaporation to try to resolve the so-called 'firewall' paradox, and it is catching people's notice (I attach it). Plus I've been doing a bunch of work on 'big quantum data': it turns out that a quantum computer can find patterns in a data set with  $N$  pieces of data in time  $\log N$ . So if you wanted to find patterns in the data set consisting of all the genomes of all the people on earth (ca.  $10^{20}$  bits), you could do it on a quantum computer with only a few hundred qubits.

In addition, I have a remarkable and pleasant coincidence to report. David Grosz's nephew Isaac is in my freshman seminar at MIT. He is super-smart and nerdy and fun to talk with -- the apple does not fall far from the orchard.

Hoping our paths cross soon. Let me know if you're going to be up in Cambridge any time.

Yours,  
Seth

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