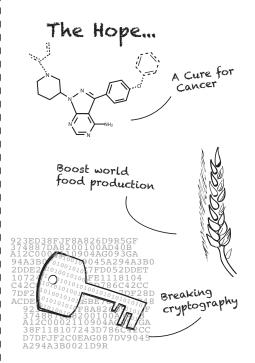
Quantum Computing

Fake news? Hype or Hope?

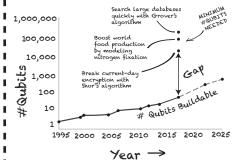




Quantum algorithms (skeletons of programs) exist, but there is a gap.



Algorithm / NISQ Machine gap



Today we have Noisy (error-prone)
Intermediate
Scale (pretty small)
Quantum computers

The EPiQC Challenge:

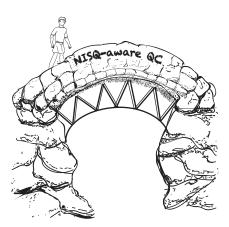
Can we make NISQ computers solve the problems of future computers?



The EPiQC Approach

Develop NISQ-aware:

- · Algorithms
- · Compilers
- · Languages
- · Architecture



How can you join this EPiQC journey?

Learn quantum physics!
Learn computer systems architecture, compilers,
languages, algorithms!

Put it together in quantum computing!



Find more Quantum Computing zines here:

https://www.epiqc.cs.uchicago.edu/resources/

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