Quantum Computing
Fake news? Hype or Hope?

Find more Quantum Computing zines here:
https://www.epiqc.cs.uchicago.edu/resources/

The EpiQC Approach
Develop NISQ-aware:
- Algorithms
- Languages
- Compilers
- Architecture

How can you join this EpiQC journey?
Learn quantum physics! architecture, compilers, languages, algorithms!
Put it together in quantum computing!

Algorithm / NISQ Machine gap

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<th>Year</th>
<th>#Qubits Needed</th>
<th>#Qubits Buildable</th>
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The EpiQC Challenge:
Can we make NISQ computers solve the problems of future computers?

The Hope...
Boost world food production
A Cure for Cancer

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

Where QC is today

What we need:
Bigger, stronger, more reliable machines

The Hope...
A Cure for Cancer

Algorithm / NISQ Machine gap

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