

COMPUTER SCIENCE
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How to Program Your Quantum Computer and Get It Right!

Robert Rand

Abstract: Quantum programs are hard to write, hard to test and hard to run. In this talk, we show how techniques from programming languages, formal verification and compilation allow us to write quantum programs that are as reliable as the given hardware allows. This provides a path towards writing reliable software for quantum computers, both as we envision them in twenty years and as they exist today.

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<https://emory.zoom.us/j/449253098>

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