

WORK



Quantum Computing for Working Professionals

Navigate complexity. Decide without certainty.

Quantum computing is moving from research labs to business conversations:

But between technical bootcamps that require months of commitment and executive briefings that offer only surface-level understanding, working professionals lack a practical entry point.

You need to understand quantum computing well enough to assess relevance to your industry and to the changing nature of work. And, of more immediate benefit: quantum concepts like superposition, entanglement, and observer effect provide a powerful set of models for better decision-making under highly complex, ambiguous, and rapidly changing conditions — ***exactly the conditions that define the current and future business environment.***

This program builds quantum literacy without requiring a physics background: what quantum computing actually is, where it's headed in the next 3–5 years, and how quantum concepts provide powerful frameworks for navigating organizational decisions under uncertainty.

This program addresses two different, equally critical, needs:



Mike

is a cybersecurity analyst at a financial services firm who keeps seeing “quantum-safe encryption” surface in vendor proposals and board-level risk discussions — with conflicting levels of urgency each time. He doesn't need to resolve

that disagreement. But he does need to evaluate what he's hearing well enough to know whether his organization is facing a near-term decision — or being sold one.



Carrie

is an HR business partner navigating a reorg, a return-to-office mandate, and a new performance review cycle — all at once. She knows that pulse surveys and performance reviews change employee behavior the moment they're

launched, making every data point she relies on a moving target.

No physics, advanced math, or computer science background required

For registration or questions: community@MYdae.org

MYdae.org

Program Structure:

Six weekly sessions, three hours each.

Sessions 1–2:
Foundations

Gain a sober, accurate understanding of:

- What quantum computing is—and is not.
- Core concepts (superposition, entanglement, measurement)—introduced conceptually, not mathematically.
- Plausible timelines for business relevance.
- Where excitement is warranted—and where it is not.

Sessions 3-6
Application

Apply quantum concepts to examine how organizational decisions behave under uncertainty:

- **Recognize non-local effects (entanglement):** How decisions made in one part of an organization produce consequences elsewhere, often without a clear link.
- **Account for observer effects (measurement):** How KPIs, dashboards, audits, and performance reviews don't just measure reality—they actively reshape behavior and outcomes.
- **Work with probabilistic outcomes (superposition):** Holding multiple plausible futures at once without collapsing prematurely to a single narrative or plan.
- **Resist hindsight bias (wave function collapse):** Understanding why outcomes feel "obvious" after the fact—and how that illusion distorts learning and future judgment.
- **Navigate competing models (incompatible bases):** Acting responsibly when different frameworks, forecasts, or expert views cannot be reconciled into one coherent picture.
- **Define responsible action under constraint (bounded systems, decoherence):** Deciding when to commit, pause, or probe further as complexity, time pressure, and organizational noise degrade clarity.

Program Deliverables:

A role-relevant ‘glossary’ of quantum concepts, a reusable decision framework, and a path for applying program concepts and tools directly to their real work.

About WORKdae & dae

WORKdae is the career up-skilling arm of **dae**, which itself is the nonprofit extension of the work of U of Next and The Center for Leadership Studies. For 30 years, we have been developing individuals and organizations across North America and Europe on issues of innovation and systems-level change.

WORKdae combines the pedigree, experience, and results of a global consultancy with the social mission and financial stewardship of a 501(c)(3) nonprofit. All proceeds from WORKdae directly fund scholarships to dae’s high school and adult programs in New Haven, Stamford, and—launching in 2026/2027—Bridgeport, CT.

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