

# Summer of Quantum

# SHORT COURSE

## TOPICS:

Qubit fundamentals • Initialization & measurement • One and two-qubit gates  
• Quantum algorithms • Qubit metrics • Trapped ions qubits  
• Superconducting qubits • Semiconductor qubits • Virtual lab tours  
+ more!

## THIS COURSE IS...

**WHAT:** A free 2-week introduction to quantum computing from algorithms to physical implementations

**FOR WHOM:** Rising undergraduate seniors & 1st-2nd year grad students interested in quantum devices and quantum information science

**WHEN:** July 25 - August 5, 2022

**WHERE:** Online via Zoom

**TO APPLY:** Visit <https://forms.gle/4CShfHZScFMV5Rg28>  
or scan the QR code.



Accepting applications  
thru June 3, 2022!

**LEARN**  
from Leading  
Quantum  
Scientists!

**ENGAGE**  
in hands-on  
projects!



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