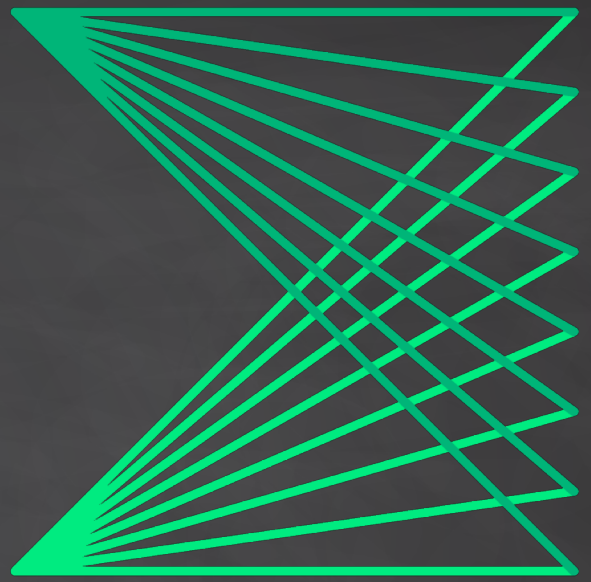
THE TOOLS AND SERVICES YOU NEED TO SUCCEED IN THE ERA OF QUANTUM COMPUTING



ZAPATA

Tim Hirzel
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@ The Engine by MIT

THE POWER OF QUANTUM COMPUTING

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CLASSICAL COMPUTER

CLASSICAL COMPUTER FACTORING A 2048-BIT NUMBER:

- Best **classical** algorithm:
- On a classical **THz** Computer (with a **trillion** operations per second):

QUANTUM COMPUTER

QUANTUM COMPUTER FACTORING A 2048-BIT NUMBER:

- Shor's **quantum** algorithm:
- On a quantum **MHz** computer* (with a **million** operations per second):

THE TWO-FOLD CHALLENGE

ZAPATA

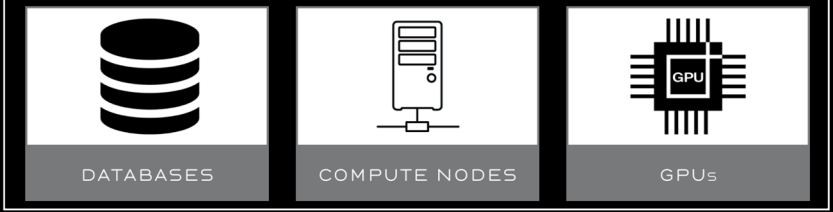
1. MAPPING DOMAIN PROBLEMS TO QUANTUM COMPUTABLE PROBLEMS

APPLICATIONS

2. FIT THE PROBLEM TO THE *RIGHT* QUANTUM HARDWARE

QUANTUM HARDWARE TECHNOLOGIES

CLASSICAL RESOURCES



QUANTUM TOOLKIT – HARDWARE AGNOSTIC

ZAPATA

FORTUNE 100/BROADER MARKETS

APPLICATIONS

- CHEMISTRY SIMULATION
- LOGISTICS OPTIMIZATION
- MATERIALS DESIGN
- PHARMA LEAD GEN
- MACHINE LEARNING
- FINANCIAL TECH
- BIO-INFORMATICS
- OTHER ZAPATA APPS
- 3RD PARTY APPS

ZAPATA OS

QUANTUM SOFTWARE TOOLKIT

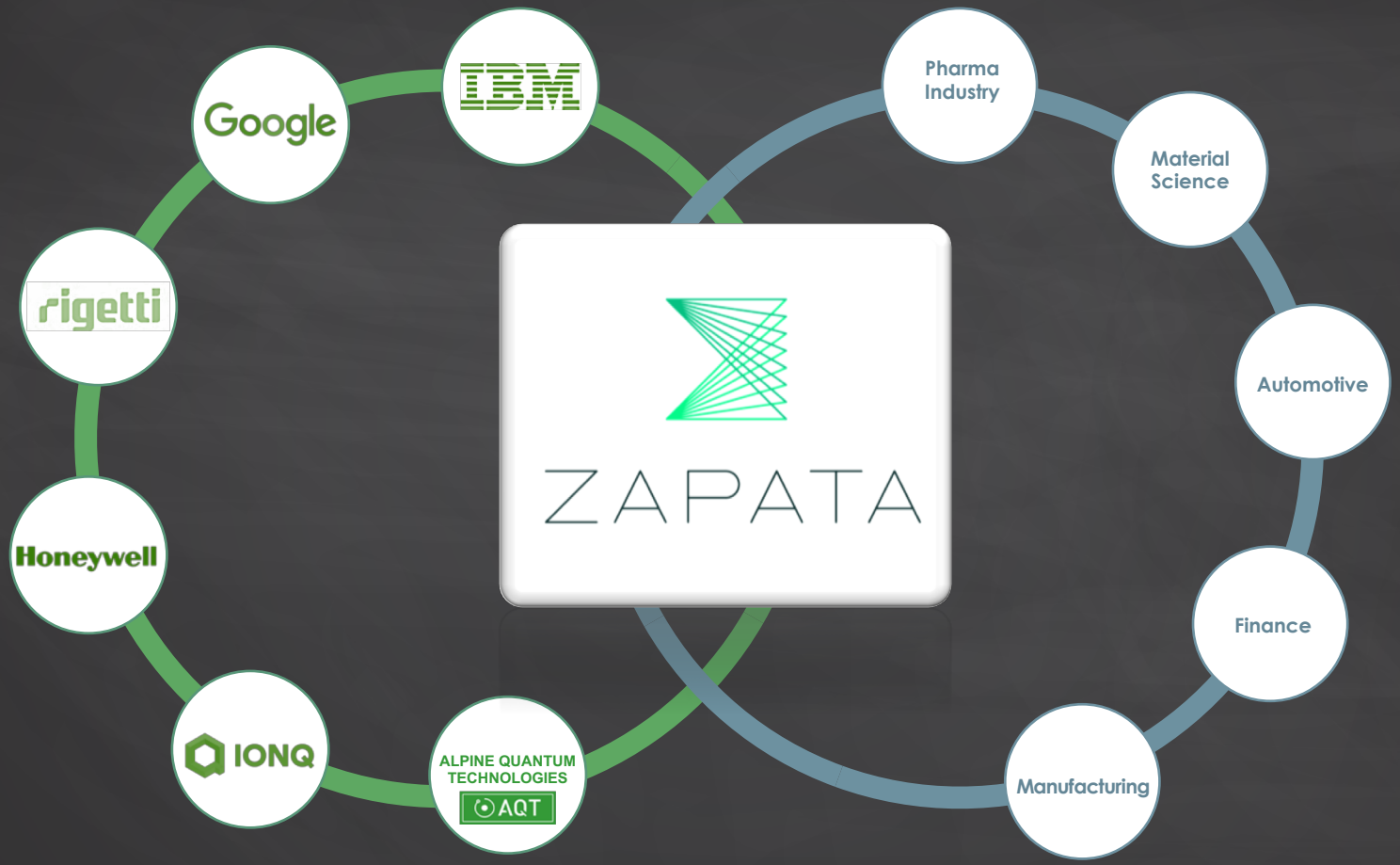
QUANTUM HARDWARE TECHNOLOGIES

- SUPERCONDUCTING
- ANNEALING
- PHOTONIC
- TRAPPED IONS
- TOPOLOGICAL

CLASSICAL RESOURCES

- DATABASES
- COMPUTE NODES
- GPUs

Zapata Computing connects industry leaders to a new era of computing.



Together, we will solve your toughest problems.

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