



3RD ANNUAL PYCON SUMMIT KE

Biggest Gathering For **People & Organisations** Interested In The
Python Programming Language & Its Ecosystem

hybrid quantum neural networks

osodo rodney



WOULD INTRODUCE MYSELF



IF I KNEW WHO I WAS





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PyConKe
2022

introduction

- rodneysodo.com
- rodneysodo.medium.com  Medium
- github.com/0x6f736f646f  GitHub
- twitter.com/blackd0t 

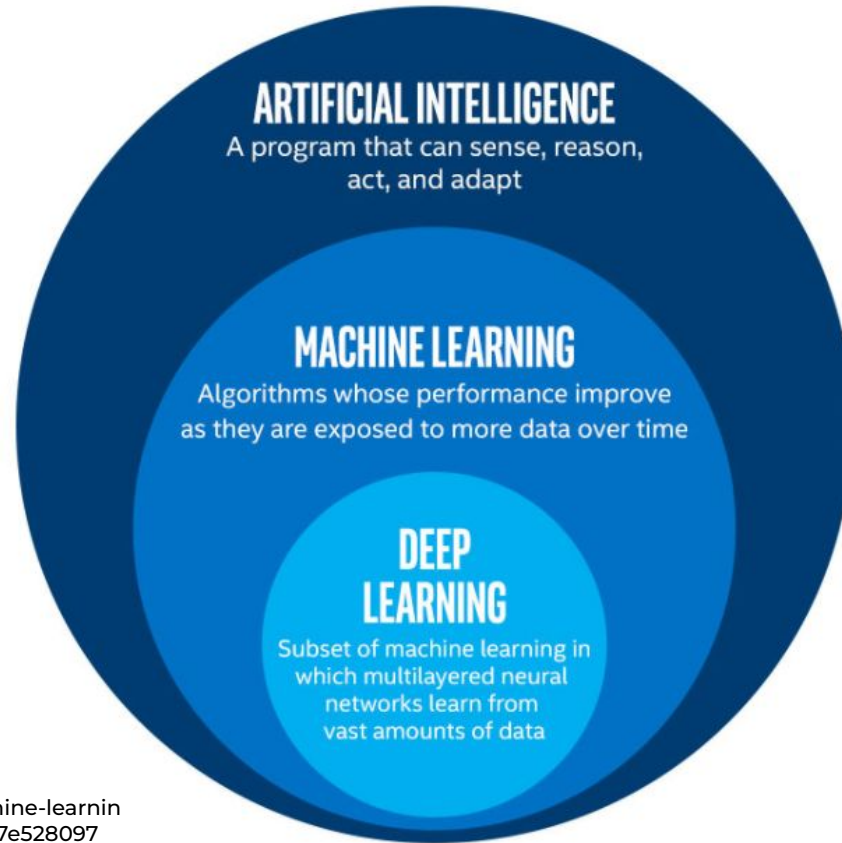


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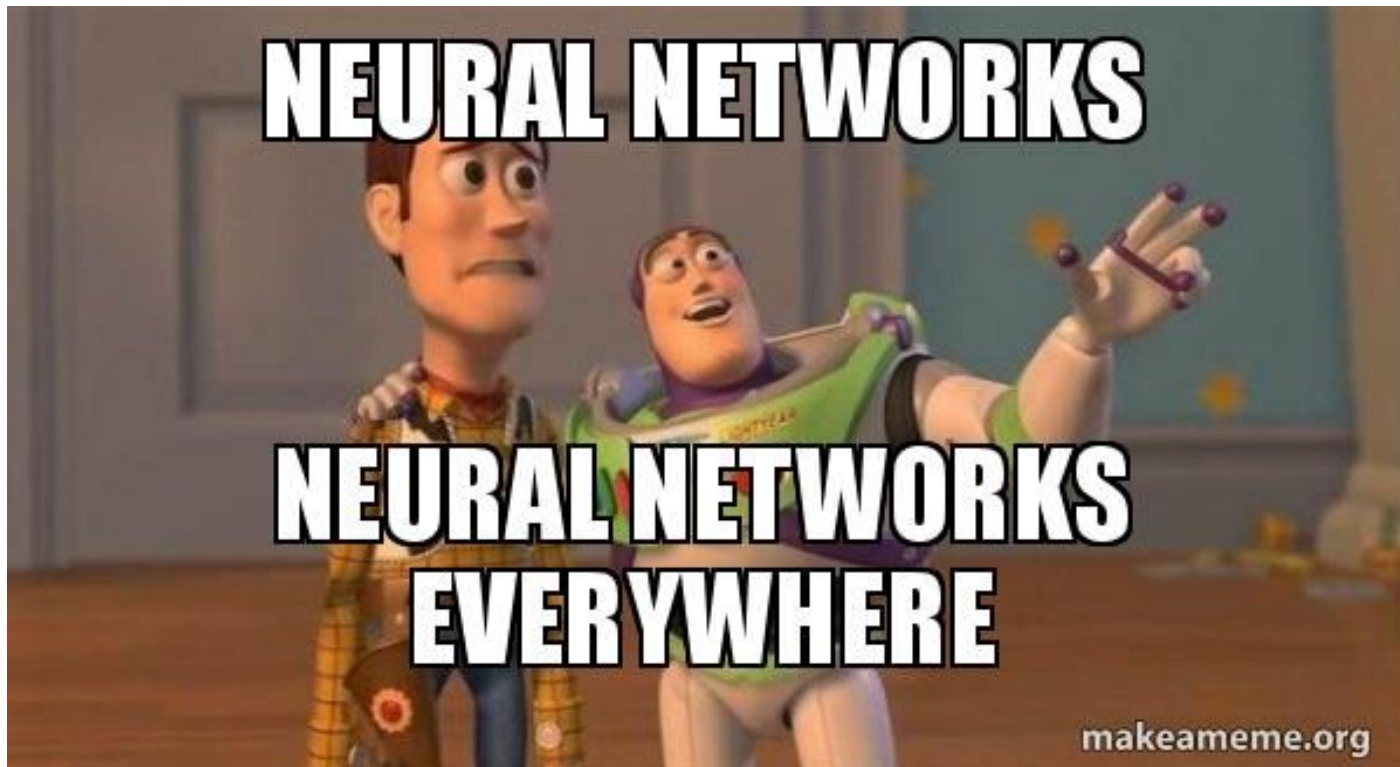
from:
<https://medium.com/swlh/artificial-intelligence-machine-learning-and-deep-learning-whats-the-real-difference-94fe7e528097>



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from: <https://makeameme.org/meme/neural-networks-neural>



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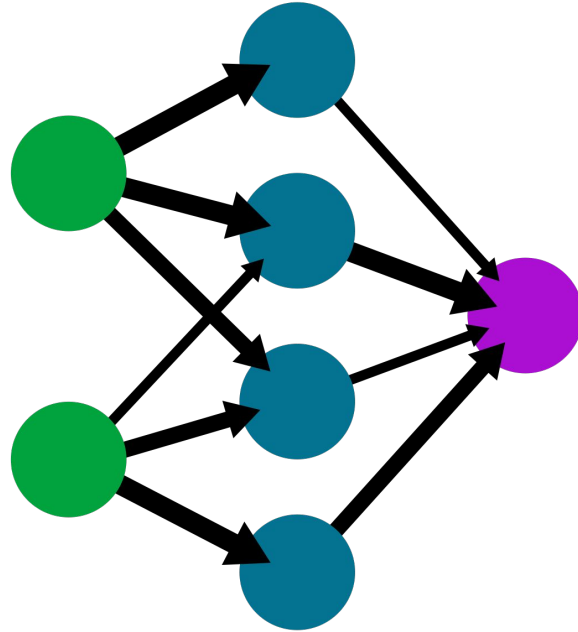
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A simple neural network

input layer hidden layer output layer



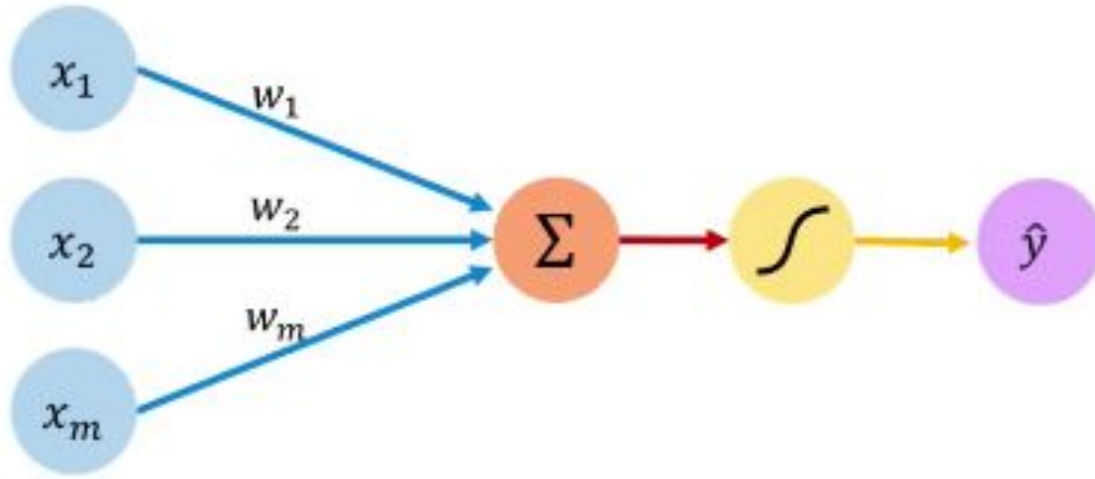
from: https://en.wikipedia.org/wiki/Neural_network



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Inputs Weights Sum Non-Linearity Output

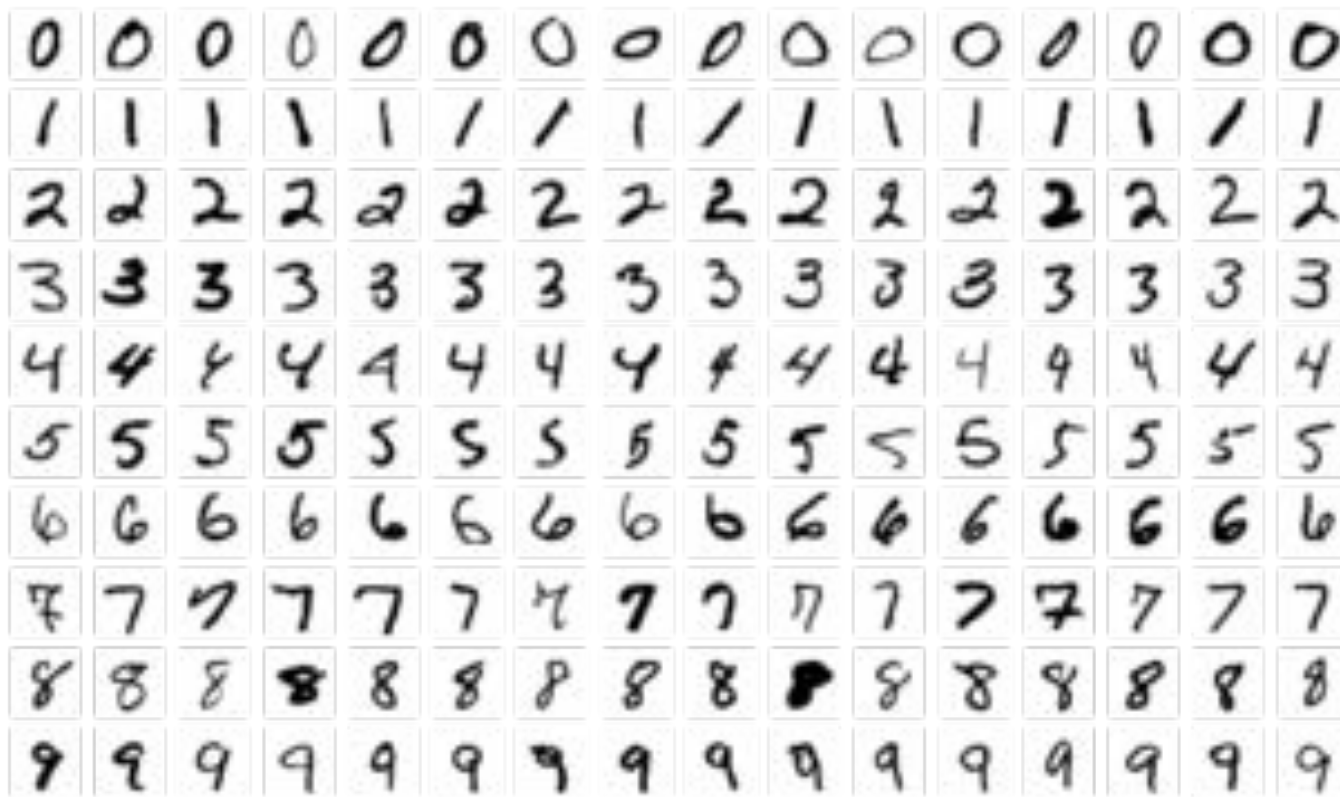
From: <https://medium.com/analytics-vidhya/neural-network-part1-inside-a-single-neuron-fee5e44f1e>



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from: https://en.wikipedia.org/wiki/MNIST_database

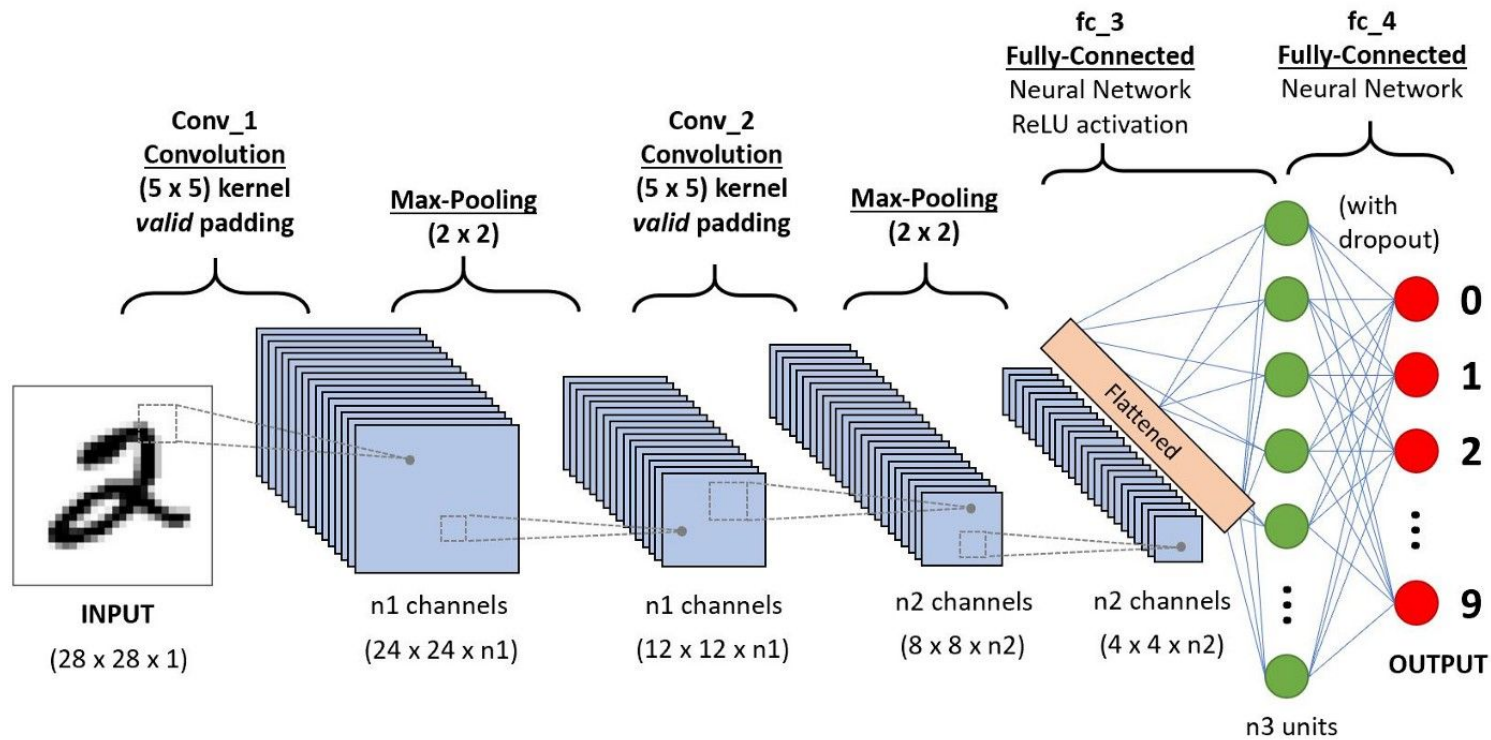


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from: <https://towardsdatascience.com/a-comprehensive-guide-to-convolutional-neural-networks-the-eli5-way-3bd2b1164a53>



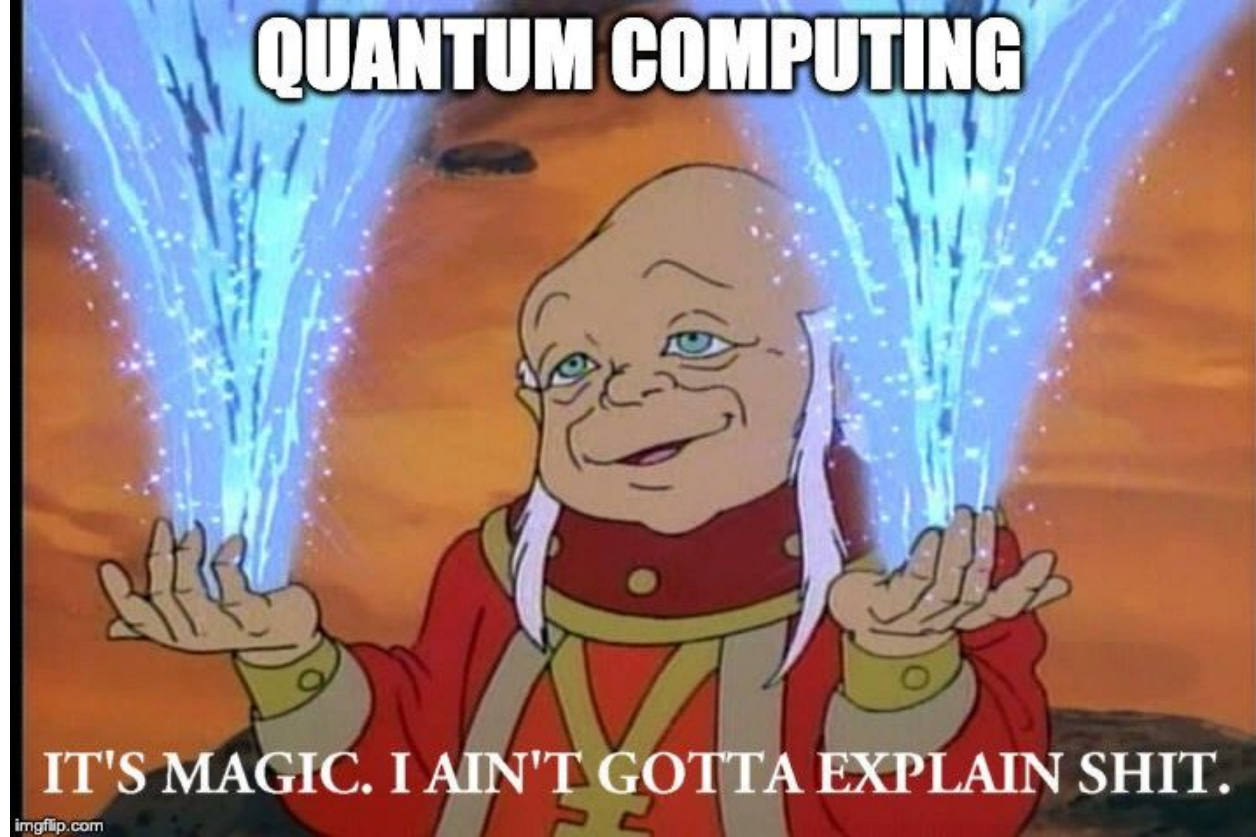
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QUANTUM COMPUTING



IT'S MAGIC. I AIN'T GOTTA EXPLAIN SHIT.

imgflip.com

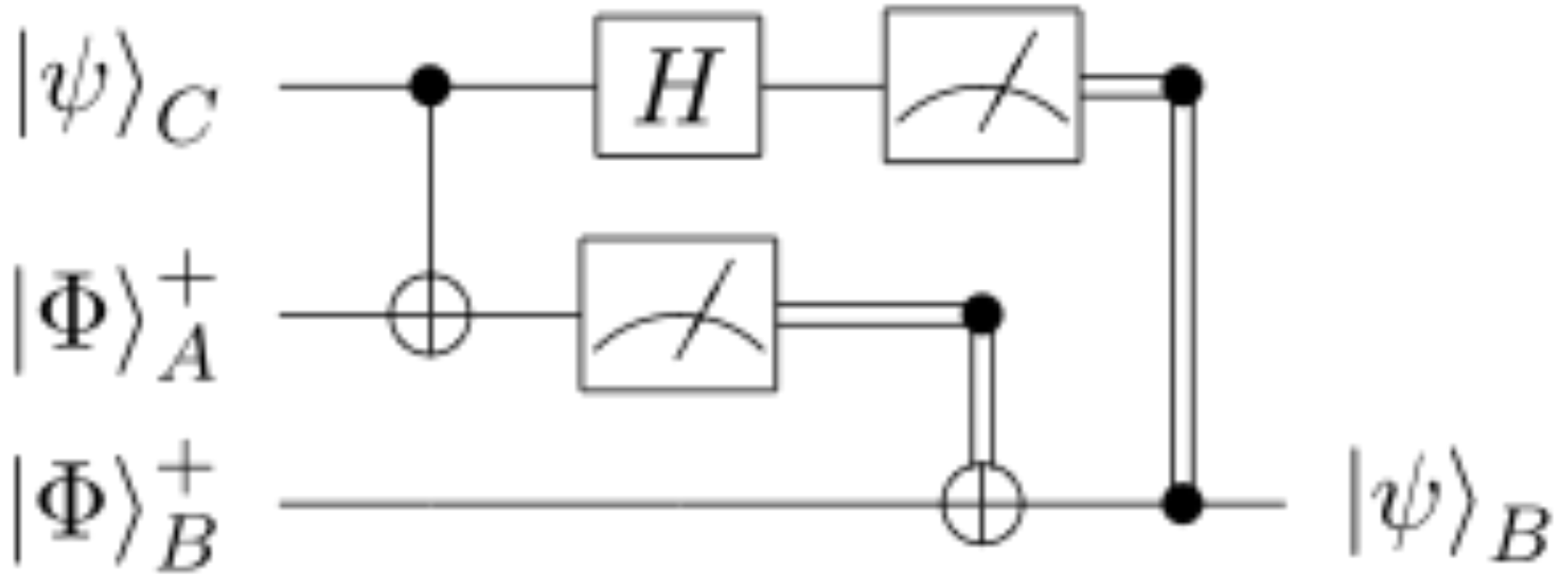
from: <https://blog.softwaremill.com/quantum-computing-as-explained-by-memes-and-dungeons-dragons-b43df6af194f?gi=44a40f2a4cee>



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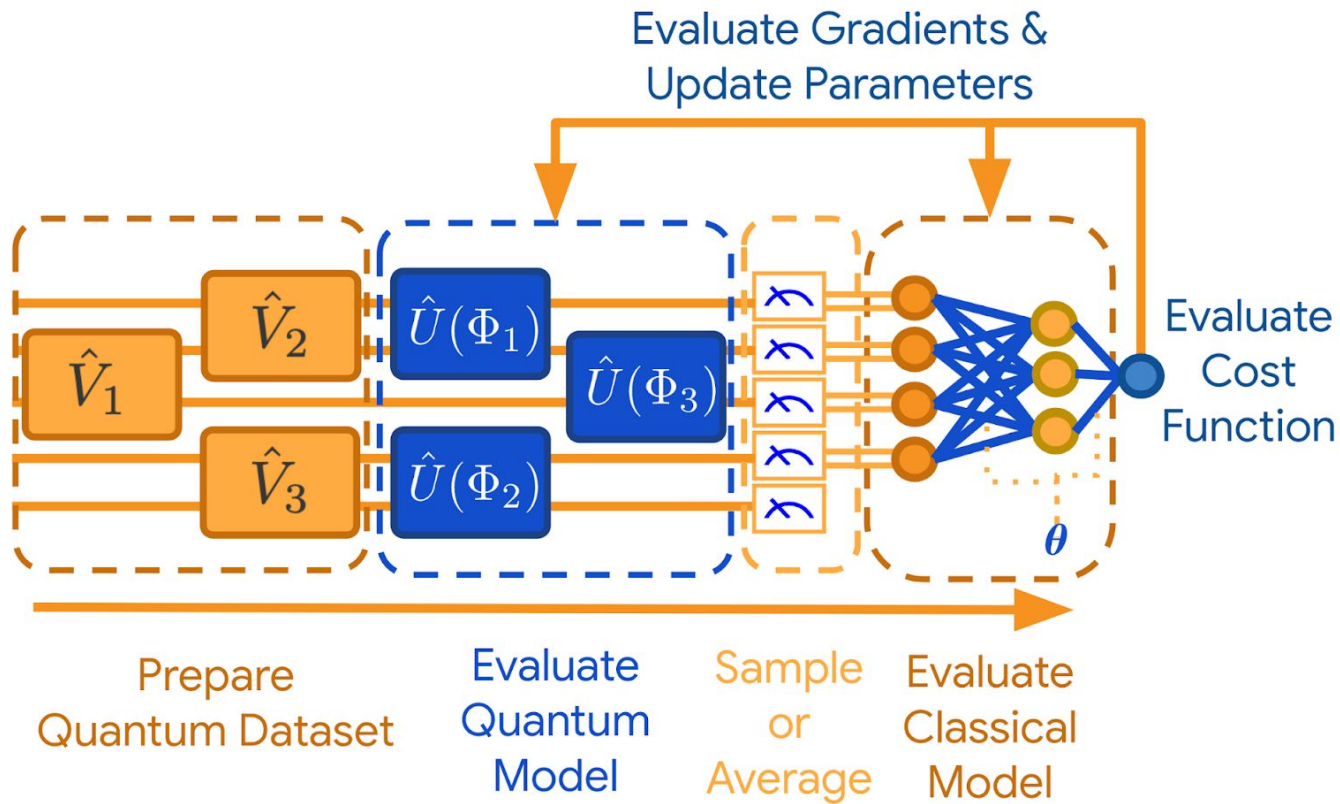
from: https://en.wikipedia.org/wiki/Quantum_circuit



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from: <https://ai.googleblog.com/2020/03/announcing-tensorflow-quantum-open.html>



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Demo

Time!

meme-arsenal.ru



from: <https://www.meme-arsenal.com/en/create/meme/3152919>

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[gitlab.com/0x6f736f646f/
pyconke22-hybrid-quantum-neural-networks](https://gitlab.com/0x6f736f646f/pyconke22-hybrid-quantum-neural-networks)



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THANK YOU FOR LISTENING



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