

Goal:

I have two reasons (missions) for establishing this non-profit.

1. Education: Educating students on topics such as Quantum Computing and AI and their implications.
2. Implementation: Implementing the skills/knowledge they've acquired from the organization into improving their environment.
 - a. Environmental sustainability & Climate
 - b. Health, Medicine & Biology
 - c. Finance & Economics
 - d. AI & ML + Cyber
 - e. Mechatronics and SBCs (Single Board Computer)

Domain name:

Quantum-4-All.org

QuantumRiseFoundation.org

Potential Projects:

- 1) Environmental sustainability:
 - Exhaust pipe probe that measures carbon output
 - Could modify existing emission analyzer
 - Forecast extreme weather conditions
 - Measure pH levels, saltiness, cleanliness of water
 - Quantum optimized recycling logistics
- 2) Health, Medicine & Biology
 - Predict epidemics using diagnosis data, travel patterns etc.
 - Simulate molecular interactions
 - Play with the behavior of thermodynamics
 - Simulate brain neurons connections
- 3) Finance & Economics
 - Quantum portfolio optimization
 - Supply chain cost optimization
 - Play with the idea of quantum blockchain
 - Quantum forecasting markets

- Quantum enhanced financial modeling & risk analysis
- 4) AI & ML + Cyber
- Quantum neural networks
 - NLP processing via Quantum computing
 - Cryptography/encryption via quantum
 - Simulate attacks
 - Solve encryption via quantum
- 5) Mech & SBCs (Raspberry pi, orange pi)
- Could use Arduino or Raspberry pi to step into robotics, web hosting, clusters (Kubernetes) for efficiency and sharing workloads.
 - Could use the help of Luiz Guzman, CEO of System Tech Works LLC for robotics, AI, LLMs, Ollama, etc.

Costs:

- Form 990-N: Annual revenue under \$50,000; Online
 - Deadline: 4 ½ months after the end of fiscal year (eg. December 31st – May 15th)
 - Failing to file for 3 years -> IRS stripping non-profit status
- Georgia Secretary of State: Annual registration
 - Fee: \$30
 - Due: between Jan 1st and April 1st each year
- Fundraising permission:
 - Fee: \$35-\$100 annually
 - Exemption: Annual revenue less than \$25,000
- Web domain:
 - Namecheap: \$7.49
 - Hosting: Free – just need a raspberry pi and an sd card
- Misc

Total: \$50 - \$400 each year approx.

Potential expansions:

- Chapter for other USGs? UGA, GT, etc.
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