

[Your Full Name]

[Address / City, State]

[Phone Number] | [Email Address]

[LinkedIn Profile] | [GitHub/Portfolio Link]

[Date]

[Hiring Manager Name]

[Company Name]

[Company Address]

Dear [Hiring Manager Name],

I am writing to express my interest in the **Quantum Algorithms Developer** position at [Company Name]. With a background in [Physics/Computer Science/Mathematics] and specialized experience in [specific quantum framework, e.g., Qiskit, Cirq, or PennyLane], I am eager to contribute to your team's efforts in developing scalable quantum solutions.

During my time at [Current/Previous Institution], I focused on [mention specific area, e.g., Variational Quantum Eigensolvers (VQE), Error Mitigation, or Quantum Machine Learning]. My work involved [briefly describe a technical achievement, such as optimizing circuit depth or improving gate fidelity simulations]. I am particularly drawn to [Company Name] because of your recent advancements in [mention a specific project or paper by the company].

My technical core includes expertise in:

- Designing and implementing [NISQ/Fault-tolerant] algorithms.
- Advanced programming in Python and [C++/Julia/Rust].
- Complexity analysis and quantum resource estimation.
- Integrating quantum kernels into classical workflows.

I am confident that my ability to bridge the gap between theoretical quantum information science and practical software implementation will be an asset to your research and development goals. I look forward to the possibility of discussing how my skills align with the needs of [Company Name].

Sincerely,

[Your Signature]

[Your Printed Name]