

**[Full Name]**

[Street Address], [City, State, Zip Code]

[Phone Number] | [Email Address]

[LinkedIn Profile URL] | [GitHub/Portfolio URL]

[Date]

[Hiring Manager Name]

[Title, e.g., Head of Quantum Research]

[Company Name]

[Company Address]

Dear [Hiring Manager Name/Search Committee],

I am writing to express my strong interest in the **Quantum Cryptography Specialist** position at [Company Name]. With a background in [Physics/Mathematics/Computer Science] and specialized experience in [Quantum Key Distribution (QKD) / Post-Quantum Cryptography (PQC)], I am eager to contribute to your team's efforts in securing next-generation communication infrastructures.

During my tenure at [Previous Organization/University], I focused on [mention specific technical focus, e.g., developing entanglement-based protocols or implementing lattice-based cryptographic algorithms]. My research and practical application led to [mention a key achievement, such as a reduction in quantum bit error rates (QBER) or successful integration of a hardware security module]. I am proficient in utilizing [mention tools, e.g., Qiskit, OpenSSL, or specific hardware platforms] to simulate and deploy quantum-resistant solutions.

[Company Name]'s recent work in [mention a specific company project or technology] aligns perfectly with my expertise in [mention a niche skill, e.g., photonics or cryptographic agility]. I am particularly drawn to your commitment to [mention a company value or goal], and I am confident that my ability to bridge the gap between theoretical quantum mechanics and practical cybersecurity will be an asset to your research and development department.

Thank you for your time and consideration. I look forward to the possibility of discussing how my technical background and passion for quantum information science can support the long-term security objectives of [Company Name].

Sincerely,

**[Your Typed Name]**