

[Your Full Name]

[Your Address]

[Phone Number] | [Email Address]

[LinkedIn Profile] | [Portfolio/GitHub]

[Date]

[Hiring Manager Name]

[Title/Department]

[Company Name]

[Company Address]

Dear [Hiring Manager Name],

I am writing to express my interest in the **Quantum Hardware Engineer** position at [Company Name]. With a background in [Your Degree, e.g., Applied Physics or Electrical Engineering] and specialized experience in [Specific Modality, e.g., Superconducting Qubits, Ion Traps, or Photonics], I am eager to contribute to your team's development of scalable quantum computing architectures.

During my time at [Previous Company/Research Lab], I focused on [Key Project, e.g., cryogenic microwave engineering or fabrication of Josephson junctions]. My technical expertise includes:

- [Skill 1: e.g., Design and characterization of RF/microwave circuits]
- [Skill 2: e.g., Cleanroom fabrication processes and SEM/EDX analysis]
- [Skill 3: e.g., Cryogenic system operation (Dilution Refrigerators)]
- [Skill 4: e.g., Python/Qiskit for hardware-level control and error mitigation]

I am particularly drawn to [Company Name] because of your recent breakthroughs in [Specific Company Achievement]. I am confident that my experience in [Specific Technical Area] will allow me to assist in overcoming current decoherence challenges and improving gate fidelities within your hardware stack.

Thank you for your time and consideration. I look forward to the possibility of discussing how my technical background aligns with the goals of the [Department Name] team.

Sincerely,

[Your Signature (if sending by mail)]

[Your Typed Name]