

# Dr. Emily Carter

January 16, 2026

Acme Corporation

RE: Physicist

Dear Hiring Manager,

I am writing to express my enthusiasm for the Physicist position at Acme Corporation, as advertised on your careers page. With a PhD in Physics from Stanford University and over five years of experience in both research and applied physics, I am excited about the opportunity to contribute to your innovative projects aimed at advancing technology in the field of energy solutions.

During my time at Quantum Innovations, I led a team that successfully developed a novel nanomaterial that increased the efficiency of solar panels by 25%. This breakthrough not only earned us a prestigious award at the International Renewable Energy Conference but also resulted in the implementation of the material in commercial products, significantly reducing production costs for partners. Additionally, while working at the National Laboratory, I was part of a collaboration that utilized quantum computing methods to simulate particle interactions, which resulted in the identification of new pathways for material synthesis. Our findings were published in the Journal of Applied Physics, garnering attention for their potential real-world applications.

I am particularly drawn to Acme Corporation because of your commitment to pioneering sustainable energy solutions. I admire your recent project aimed at harnessing fusion energy, and I am eager to bring my expertise in computational modeling and experimental physics to your team. I believe my background in developing innovative solutions aligns well with your mission.

I welcome the opportunity to discuss how my experience and vision can contribute to the ongoing success of Acme Corporation. Thank you for considering my application; I look forward to the possibility of discussing this exciting role with you.

Sincerely,

Dr. Emily Carter