

Jordan L. Thompson

January 16, 2026

Acme Corporation

RE: Internship Nuclear Engineer

Dear Hiring Manager,

I am writing to express my enthusiasm for the Internship Nuclear Engineer position at Acme Corporation, which I discovered through your recent posting on LinkedIn. As a passionate and dedicated nuclear engineering student at the University of Michigan, I am eager to contribute my skills and knowledge to your innovative projects while gaining valuable industry experience.

During my academic career, I have achieved significant milestones that align with the requirements for this internship. Last summer, I collaborated on a research project focused on improving the efficiency of nuclear reactors, where my role involved performing thermal-hydraulic simulations using ANSYS. This experience not only honed my technical skills but also deepened my understanding of reactor dynamics and safety systems. Additionally, I completed a design project in my senior year that involved designing a small-scale nuclear power plant, where my team and I successfully implemented a cooling system that reduced energy loss by 15%. This project solidified my problem-solving abilities and reinforced my commitment to advancing sustainable nuclear energy solutions.

I am particularly impressed by Acme Corporation's commitment to innovation and safety within the nuclear sector. I am excited about the opportunity to contribute to your ongoing projects and learn from your esteemed team of engineers. I look forward to the possibility of discussing how my background, skills, and enthusiasm can align with the goals of Acme Corporation. Thank you for considering my application.

Sincerely,

Jordan L. Thompson