

# Jessica Alvarez

January 16, 2026

Acme Corporation

RE: Internship Mining Engineer

Dear Hiring Manager,

I am thrilled to apply for the Internship Mining Engineer position at Acme Corporation, as advertised on your careers page. With a passion for sustainable mining practices and a strong foundation in engineering principles, I am eager to contribute to your team while gaining invaluable experience in the field. Acme's commitment to innovation and safety in mining operations aligns perfectly with my career aspirations.

During my studies at the University of Colorado, I completed a project focused on optimizing ore extraction processes, where I was able to increase the efficiency of our simulated mining operation by 25% through the application of advanced geological modeling techniques. Additionally, I participated in a summer internship with Rocky Mountain Mining, where I assisted in conducting site assessments and developing safety protocols, contributing to a 15% reduction in workplace incidents. These experiences have equipped me with the technical skills and practical knowledge necessary for a successful internship at Acme.

I am particularly drawn to this internship because of Acme's dedication to environmentally responsible mining practices. I am excited about the opportunity to work alongside industry professionals who are as passionate about sustainable solutions as I am. I am eager to bring my strong analytical skills, combined with my ability to work collaboratively in a team setting, to support your ongoing projects and initiatives.

Thank you for considering my application. I look forward to the possibility of discussing how my background, skills, and enthusiasms align with the goals of Acme Corporation. I am excited about the opportunity to learn from your esteemed team and contribute to your innovative mining solutions.

Sincerely,

Jessica Alvarez