

Jordan A. Thompson

January 16, 2026

Acme Corporation

RE: Entry Level Embedded Systems Engineer

Dear Hiring Manager,

I am writing to express my enthusiasm for the Entry Level Embedded Systems Engineer position at Acme Corporation, as advertised on your careers page. With a solid foundation in electrical engineering and hands-on experience in embedded systems development, I am eager to contribute to your innovative projects and be part of a team that is at the forefront of technology advancement.

During my academic career at the University of Technology, I successfully completed a senior capstone project where I designed and implemented an automated greenhouse monitoring system using an Arduino microcontroller. This project involved developing firmware for sensor data acquisition and control logic for various environmental parameters, resulting in a 25% increase in crop yield during the testing phase. Additionally, I interned at Tech Solutions Inc., where I collaborated with a team to enhance the performance of an existing embedded system in consumer electronics, which led to a 15% reduction in power consumption. These experiences not only refined my technical skills in C and C++ programming but also equipped me with the ability to work effectively in team settings and manage project timelines.

I am particularly drawn to Acme Corporation because of your commitment to pushing the boundaries of embedded technology, such as your recent advancements in IoT applications. I am excited about the possibility of contributing to such transformative projects and learning from the talented engineers at Acme. I would love the opportunity to discuss how my background, skills, and enthusiasm align with the goals of your team. Thank you for considering my application.

Sincerely,

Jordan A. Thompson