

# Jordan Hamilton

January 16, 2026

Acme Corporation

RE: Internship Firmware Engineer

Dear Hiring Manager,

I am thrilled to apply for the Internship Firmware Engineer position at Acme Corporation, as advertised on your careers page. As a computer engineering student at the University of Techland, I have developed a strong foundation in embedded systems and firmware development, and I am eager to contribute my skills to your innovative team.

During my coursework, I successfully led a project where I designed and implemented firmware for an IoT-based temperature monitoring system. This involved utilizing C and C++ to program the microcontroller, optimizing the code for power efficiency, and ensuring reliable data transmission to a cloud platform. The project not only enhanced my technical skills but also honed my problem-solving abilities as I navigated unforeseen challenges in real-time data processing. Additionally, I completed an internship at Tech Innovations, where I collaborated with a team to update legacy firmware for a consumer electronics product. Through rigorous testing and debugging, we improved the system's performance by 30%, significantly enhancing user experience.

I am particularly drawn to Acme Corporation because of your commitment to pioneering technology solutions in the firmware space. I am excited about the possibility of working alongside industry experts and contributing to cutting-edge projects. I believe that my proactive approach and passion for embedded systems make me a strong fit for this role.

I would welcome the opportunity to discuss how my background, skills, and enthusiasm can contribute to the success of your team. Thank you for considering my application. I look forward to the possibility of discussing this exciting opportunity with you.

Sincerely,

Jordan Hamilton