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Mateusz Wiggins

Mechanical Engineering Intern

JULY 16, 2026

Hiring Manager
Xona Dynamics
Burlingame, CA

Dear Hiring Manager,

I am eager to submit my application for the Mechanical Engineering Intern position at Xona Dynamics, which harmonizes splendidly with my academic pursuits and hands-on experience in aerospace innovation. As a dedicated student, I have cultivated relevant skills and a profound fervor for engineering success with technical projects.

Xona Dynamics stands at a threshold of revolutionizing spacecraft hardware, and I envision contributing to future advancements through my mechanical engineering background. My educational foundation focuses on principles of material science and design methodologies. I have collaborated on challenging projects and participated in stimulating environments that demand ingenuity and precise handling of complex ideas.

Through my university project, I led a team in developing a prototype for a miniature satellite module using SolidWorks to meticulously craft technical documentation. By facilitating effective communication and nurturing creativity, I orchestrated a significant 25% improvement in functionality through rigorous testing. Such persisting efforts have cemented my position as a resourceful contributor and a passionate collaborator.

Additionally, my research as an assistant sharpened my analytical skills while I examined advanced materials for aerospace applications under simulated conditions. Experimentation strengthened my ability to provide data-driven insights that led to informed recommendations in laboratory settings. Presenting results clearly to peers enhanced my articulation skills, which I propose to bring to engineering discussions at Xona Dynamics.

When I think about all the real-world implications of engineering challenges, I feel invigorated and contemplative. I look forward to pooling knowledge and working alongside industry veterans. Together, we can transform outrageous concepts into grounded realities while nurturing the next generation of aerospace technology.

I appreciate your consideration of my candidacy for the Mechanical Engineering Intern role.

Thanks,

Mateusz Wiggins

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