

February 11, 2025

Emily Wolle

Rosenbauer LLC

5181 260th St Building #2

Wyoming, MN 55092

Dear Ms. Wolle,

I'm writing to apply for the Mechanical Engineering position at Rosenbauer. As a graduated mechanical engineering student, I have always been attracted to creating dependable solutions to complex problems. I'm confident that my diverse technical knowledge, leadership skills, and design experience would make me a strong candidate for the Mechanical Engineering position at Rosenbauer.

Through my FSAE and professional experiences, I have demonstrated my passion for problem solving and learning by spearheading a variety of projects. At Temple Formula Racing for example, I redesigned and machined uprights to support the switch from 13" to 10" wheels. While in the design phase, I used my fabrication experience to choose design elements that would allow more efficient machining and require less starting material. Not only did my final design meet project requirements, but it reduced component mass by roughly 15%. Furthermore, the machining process I developed required roughly 132 cubic inches less material, eliminated 20+ hours of total cycle time, and yielded reusable tooling and fixtures. These processes have resulted in our team placing 15th out of 120 teams at the 2024 global FSAE competition, breaking the school record by 9 places.

Designing emergency vehicles requires a high level of tenacity to ensure the most dependable equipment is being produced. I believe my experiences demonstrate that I could help Rosenbauer deliver on this goal. I would appreciate a chance to further discuss my qualifications in person or over the phone. Please don't hesitate to reach me at jakobwerle@outlook.com or 570-533-6951. Thank you for your time and consideration!

Sincerely,

Jakob Werle