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Walker Oneill

Automotive Systems Engineer Intern

AUGUST 17, 2026

Marquardt Solutions
HR Department
Rochester Hills, MI

Dear Hiring Manager,

I am eager to apply for the Automotive Systems Engineer Intern role at Marquardt Solutions, knowing this opportunity aligns powerfully with my studies in Electrical Engineering while fostering my love for automotive technology.

The position's focus on collaboration with various engineering teams excites me, especially as I geek out over vehicle electronics and data analysis. Climate change and vehicle autonomy are hot topics; innovative companies like yours are crucial to addressing these challenges.

In my academic journey, I collaborated with peers to develop prototypes for automotive control systems, uncovering how real-time data processing can transform vehicles. As we tested these creations, I realized my passion for hands-on learning through HiL systems and using MATLAB. It was thrilling yet daunting, and often had me pushing through late-night project sessions, refining ideas and solutions.

Participating in weekly progress meetings, I gained insights from discussions that shaped our direction and improved teamwork. While working on our capstone project, I managed to enhance my technical writing skills significantly; this aspect unexpectedly transformed my communication with both peers and faculty.

Additionally, my role as a Research Assistant nurtured my analytical skills, confirming their importance in evaluating project outcomes. I found great joy in unraveling data, deeply understanding how vehicle performance can rely on electronic systems.

Thank you for your consideration.

Sincerely,

Walker Oneill

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