

Dear Hiring Manager,

I am thrilled to apply for the Data Collection Operations Lead position within Optimus at Tesla. As a current Equipment Maintenance Technician at Giga Texas, where I serve as acting Lead for the Model Y General Assembly Night Shift AGV Trim Area, I have hands-on experience leading teams, managing data-critical operations, ensuring system reliability, and driving process improvements in Tesla's high-volume, fast-paced environment. My background in AGV fleet management, sensor calibration, and Profinet network troubleshooting—combined with prior research data collection at Kennesaw State University—positions me to excel at leading data collectors, maintaining data integrity, monitoring progress, generating reports, and optimizing workflows to accelerate Tesla's AI and autonomy goals.

In my current role, I fully execute lead responsibilities for a team of 4: assigning tasks, prioritizing repairs, tracking fleet maintenance status via Flux, Confluence and spreadsheets, resolving production-impacting issues in real time, and collaborating with engineers on system upgrades. This mirrors the core responsibilities of planning/coordinating data collection efforts needed in the role. Previously as a certified workstation trainer and Production Associate (2023–2025), I trained coworkers, led quality initiatives that reduced errors, and collaborated on troubleshooting/process enhancements, consistently meeting targets with keen attention to detail.

My technical foundation further strengthens my contribution: calibrating magnetic sensors, data matrix systems, and laser scanners; interpreting schematics; and maintaining electrical/mechanical systems (24-48VDC) in AGVs—directly relevant to vehicle/robot data collection in autonomous testing. At Kennesaw State University (2022–2023), I developed EEG data pipelines, validated/organized datasets, performed spectral analysis for insights, and visualized patterns—skills that honed my ability to ensure accuracy, identify issues, and communicate findings effectively.

I am passionate about advancing Tesla's mission through reliable, high-quality data and am eager to leverage my internal experience, leadership, and adaptability to support your team. I would welcome the opportunity to discuss how I can contribute to accelerating data collection for Optimus.

Thank you for your consideration—I look forward to the possibility of speaking soon.

Sincerely,

Wyatt B