

Dear **SpaceX**,

I am currently a Firmware Engineer working in the autonomous robotics / warehouse automation problem domain.

Electronic/programmable systems that directly interface with humans have practical safety considerations, as a result I have gained experience in developing embedded software that complies with industrial standards at a negotiated integrity level.

My experience as an intern at SpaceX familiarized me with problem-domain invariant attributes of a workflow that is viable for real-time, safety-critical systems' development.

As an engineer contributing new assets to an existing ecosystem, I find myself motivated to improve the efficiency of my workflow. As a result I have championed build system improvements and custom in-circuit debugging tooling to meet the demand of a real-time embedded system that increases in complexity as it scales.

Thank you very much. I'm looking forward to your feedback,

**Vaughn Kottler**

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Kottler*

