Dalron J. Robertson, M.S.

AI, ML Research Engineer & Pharm.D. Candidate

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Chicago, IL
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Dear Hiring Manager,

I am a researcher, engineer, and creator dedicated to designing systems that define the future of the life sciences. My early training in the arts instilled in me a deep appreciation for disciplined creativity. From composing music and writing books to developing computational models, my work has always centered on building meaningful systems with clarity and purpose.

My foundation in biomedical science, clinical pharmacology, and software engineering allows me to approach scientific problems from both technical and biological perspectives. During my recent graduate research, I served as lead researcher for a team of sixteen, teaching computational modeling tools and guiding a project focused on evaluating phytochemicals for therapeutic potential. We applied structural modeling, docking, and bioinformatics analysis to identify and characterize key compounds. The project earned second place at the university's annual research symposium.

My current work builds on that foundation. I am developing a domain-specific Mixture-of-Experts language model to support an autonomous life sciences agent capable of continuously updating its knowledge base without human intervention. This system incorporates distributed training, retrieval-augmented generation, and precision-aware scaling to operate across the full spectrum of the life sciences.

I see creation as one of the original purposes of being human. It is the responsibility to think deeply, to ask meaningful questions, to design with care, and to build with intention. For me, research is more than inquiry. It is stewardship. I am drawn to environments that value both technical depth and creative clarity, where the goal is not only to understand but to shape what comes next. I bring clinical training, engineering experience, and a long-term commitment to creating systems that matter. I would be honored to contribute to your work and help advance the future of scientific discovery.

Thank you for your time and consideration.

Sincerely,

Dalron J. Robertson, M.S.