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Dear Sir or Madam,

I am writing to express my interest in the full-time opportunity with the engineering department in your company.

I studied Electrical Engineering in University of Cincinnati with a minor in Mathematics and Embedded systems and a great interest in robotics. While pursuing in the same field at graduate school after receiving Bachelor's Degree, I was offered for a full-time embedded software engineer role at L&T Technologies in Peoria, IL. Over the 8 months working at L&T, though still interested in the embedded programming aspects, I find it hard to feel passionate on the subjects of the projects. Your job posting left me an impression that you are looking for engineers for robotics development. This aligns exactly with my original interest from college, which is why I'm applying to this position.

My current employer, L&T Technologies is an engineering consulting firm. My current work at L&T involves maintaining and troubleshooting embedded firmware for Caterpillar transmission Electronic Control Module, as well as developing automated testing framework for the software in a virtual simulated environment. Previously, I had Co-op at Ethicon Inc, a company that develops medical surgery devices. Over the internship I prototyped a PCB as part of a medical power generator, then developed the firmware and UI for the mechanical team. Over the time I was in college, I participated in many robotics-related projects, including Computer Vision development for UC Robotics, control system engineering for levitation pod in the Hyperloop Competition for my college team, as well as designing and implementing the control software for a semi-autonomous tunnel boring machine for the Boring Competition.

For more info about my professional and project experiences, you can visit my website.

I wish to have an opportunity to work for your company if this job is still available. I am currently an F1 student who is just starting my 2-year STEM extension, available from August 2022 and able to relocate anywhere nationwide given the time. Please let me know if there any questions or interest.

Thank you for your consideration.

Sincerely yours,

Liu (Zuguang Liu)