To the Apptronik Recruiting Team

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Subject: Application for a Full-Time Robotics Engineer Role in Control & Dynamics, starting spring 2027 (CoRL 2026 - Robotics & AI Talent, Job ID 6226572004)

I want to work on robots that share the workplace with people, not robots kept behind a fence. That is why Apptronik, and Apollo in particular, is the place where I hope to start my career when I complete my M.S. in Mechanical Engineering at Stanford University (Robotics and Data Science, IIE-Fulbright Scholar) in spring 2027.

This conviction comes from the factory floor. During my internship at Renault's Technocentre, I spent the summer on the Alpine A390 prototype line, coaching operators and working on precise, repetitive assembly tasks and on their working postures. The automation around us was powerful but rigid: it could not move to where the work was, so people still did the hardest parts. A humanoid that walks into an existing line, uses the same tools and works next to the operators answers the exact problem I saw there. Apptronik's choice to start with manufacturing and logistics, and to call itself a human-centered robotics company, is what convinced me this is the team I want to join.

I am applying to Control & Dynamics because it is the part of the problem I find hardest and most rewarding. At Stanford, my team taught a robot arm to play the violin: I developed the force control of the bowing and tuned it on the real arm, and I learned how much physical contact humbles a controller. A full humanoid handling parts is that same problem at the scale of the whole body, and I want to learn it next to people who have solved it on real hardware. I would bring an unusual combination for a new graduate: a mechanical and manufacturing engineering training from Arts et Métiers (ranked top 1%), hands-on control on a physical robot, and learning-based methods for physical systems from my research at SLAC National Accelerator Laboratory, where I extend adaptive scanning pipelines with reinforcement learning.

The moment also matters to me. Apptronik is now working on safety, commercialization and mass production, the stage where a robot stops being a prototype. Having seen at Renault how a vehicle goes from prototype to production, I would love to contribute to Apollo making the same transition, and to grow as an engineer while doing it.

Thank you for your time and consideration. I would welcome the opportunity to discuss how I can contribute to your Control & Dynamics team.

Sincerely,
Loïc Poisson