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To:
Agile Robots SE
Flößergasse 2
Munich, Germany

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Dear Hiring Team,

I am excited to apply for the Robotics Simulation Engineer position at Agile Robots SE. With a Master's in Computer Science focused on robotics and experience in simulation environments, I am eager to contribute to advancing robotics solutions.

At the Humanoid Robots Lab, I worked with iGibson, a photo-realistic simulator using a Bullet backend. I simulated the movement of robots along user-selected paths to gather simulated camera data for a deep learning path planning algorithm. The movement paths were derived from a user study where I guided participants in a Virtual Reality (VR) headset. In addition to this, my Master's coursework—where I achieved top marks using CARLA (an autonomous driving simulator) and Gazebo—has prepared me well to work in industry simulation environments.

Although I have yet to gain hands-on experience with Visual Components, I am eager to learn and believe my adaptability will allow me to contribute quickly at Agile Robots SE. My preparedness to contribute to robotics programming is demonstrated by my open-source projects in ROS 2. In the ROS 2 Whisper project, I showcased my software engineering background and ability to produce efficient and scalable C++ code.

I am enthusiastic about the opportunity to join Agile Robots SE and help shape the future of robotics through simulation. I am particularly excited about the opportunity to contribute to international projects, including potential travel to Beijing, aligning with my interest in cross-cultural collaboration. I would welcome the opportunity to discuss how my skills and experiences align with your team's goals.

Thank you for considering my application. I look forward to the possibility of contributing to your innovative work.

Best Regards,

Nathan B. Corral