Dear Hiring Manager,

I am writing to express my keen interest in the position of Simulation Engineer at your esteemed organization. With my extensive knowledge and experience in robotics, deep reinforcement learning, and my strong research background as a Master graduate from the National University of Singapore, I believe I am the perfect fit for this role.

As an individual with a passion for creating innovative solutions in Robotics, I have proficient skills in programming languages such as Python and Matlab, with elementary knowledge in C++. My understanding of machine learning concepts, especially deep reinforcement learning, coupled with my experience in path planning, robot control, and autonomous driving, enables me to develop and implement efficient algorithms for robotic autonomy. Moreover, I have extensive experience with Linux OS (ubuntu 20.04), ROS, gazebo, TensorFlow2 structure, gym framework, pybullet simulation environment, and git.

In addition to my technical skills, I have strong communication skills and am proficient in English, with Mandarin being my native language. I am comfortable working in a collaborative team environment and am skilled at conveying complex technical concepts to non-technical stakeholders.

I am excited about the opportunity to work with your organization to develop a simulation environment for testing the robotic autonomy stack. I am confident that my expertise in this area, along with my ability to define validation criteria and methods for robotics level feature/system definition and functionality, would enable me to meet the performance requirements of your organization.

Furthermore, I am excited about the prospect of working with a team of dynamic professionals, who are committed to developing cutting-edge technologies in Robotics. I am confident that my skills and expertise, coupled with my passion for Robotics, would make me a valuable asset to your organization.

Thank you for considering my application. I would appreciate the opportunity to discuss my qualifications and experience further. I look forward to hearing from you soon.

Sincerely,

Kang Qi