

[Your Full Name]

[Address / City, State]

[Phone Number] | [Email Address]

[LinkedIn / Portfolio / GitHub URL]

[Date]

[Hiring Manager Name / Title]

[Robotics Lab or Department Name]

[Institution or Company Name]

[Address]

RE: [Job Title / Research Position Reference Number]

Dear [Dr./Mr./Ms. Surname],

I am writing to express my strong interest in the [Position Name] position within the [Lab/Department Name] at [Institution Name]. With a background in [Your Degree] and specialized experience in [Specific Technical Area, e.g., SLAM, Reinforcement Learning, or Sensor Fusion], I am eager to apply my data science expertise to the advancement of autonomous systems research.

During my time at [Previous Institution/Project], I focused on [Specific Research Problem]. By implementing [Specific Algorithm or Methodology], I was able to [Result or Metric, e.g., reduce localization error by X% or optimize path planning efficiency]. I am proficient in [Relevant Languages/Tools, e.g., Python, C++, ROS, PyTorch] and have a deep understanding of processing high-dimensional data from [Specific Sensors, e.g., LiDAR, IMU, or RGB-D cameras].

Your lab's recent work on [Mention a specific paper or project from the lab] aligns perfectly with my research interests in [Specific Interest Area]. I am particularly drawn to this role because of the opportunity to solve [Specific Challenge mentioned in job post] using large-scale robotic datasets and statistical modeling.

Thank you for your time and consideration. I have attached my CV and a link to my research portfolio. I look forward to the possibility of discussing how my technical skills in robotics and data science can contribute to the goals of [Lab/Company Name].

Sincerely,

[Your Signature]

[Your Printed Name]