Dear Professor,

This letter is written to support the postgraduate application of Mr. Liu Shuo. He worked as my part-time assistant in 2019 summer, taking charge of constructing an RDMA-based multi-tenancy and bandwidth-guaranteed distributed deep learning training prototype. As his direct supervisor, I gained a basic knowledge of his overall performance and feel honored to introduce him here to facilitate your judgment.

Shuo could flexibly apply knowledge to practical use. In face of challenges in work, he was able to find efficacious solutions from his rich knowledge base. When finding a single point of failure in the central logic controller, he suggested increasing the redundant backup of data during runtime in this situation, enabling the agent to automatically read data in the backup and find another node to realize the functions of the controller during downtime. His innovative ideas like this is definitely inseparable from his solid theoretical foundation.

Shuo was assiduous, displaying decent self-learning capabilities in work. In the early stage of his work, he successfully set up the project's development environment after looking up documents related to RDMA on the Mallenox website. Besides, finding that the virtual machine could not be connected to the external network, he analyzed the possible reasons after referring to some Q&As on Stack Overflow and then wrote a script according to the configuration of different machines. Such problems were always solved by him with high quality and efficiency, making it reassuring to allocate tasks to him.

In addition, Shuo was a good partner to communicate with. In team work, he could quickly understand my words and patiently listened to the suggestions of his colleagues as well. He could also articulately express his ideas and plans in each of his presentation and submit strongly logical and well-structured reports. Besides, judging from his colleagues' feedback, he is an efficient and satisfying partner to cooperate with.

Given the above information, I consider Shuo as an insightful, reliable young man and an aspirant with a passion and talent for your program. I support his pursuit of academic progress, believing that if guided properly, he will shine in his industry one day.

Faithfully,