Dear Professor,

This letter is written to support the postgraduate application of Mr. Liu shuo. He practiced at Microsoft in the summer vacation of 2019, taking charge of constructing an RDMA-based multi-tenancy and bandwidth-guaranteed distributed deep learning training prototype. As his direct superior, I gained a basic knowledge of his overall performance and feel happy to introduce him here to facilitate your judgement.

Shuo demonstrated abilities to skillfully apply knowledge to practical use. In face of difficulties in work, he was able to work out efficacious solutions based on the knowledge he had learnt. For instance, when finding a single point of failure in the central logic controller, he suggested increasing the redundant backup of data during runtime and doing corresponding operations on the agent side. This enabled the agent to automatically read data in the backup during downtime and choose another node to fulfill the functions of the controller. In our communication, I knew that this solution was inspired by the subjects of Introduction to Databases and Computer Network Introduction he took at university. As far as I know, he learnt much knowledge of Ethereum, on which this prototype was based, from the Introduction to Blockchain Technology course. This, I think, can give proof of his solid professional foundation.

Shuo displayed decent self-learning abilities. There were not enough materials for reference at most times in our work, which required employees to seek needed materials in other ways. Shuo did well in this aspect. I found that he usually looked for materials on the official website of Ethereum when trying to deploy an RDMA environment on Ethereum. Besides, information on parfait implementation was limited in China’s forums; however, this did not worry him much. I knew from our talks that most of his ideas on how to solve relevant coding problems were obtained from Segment Fault and Github Issue. This process asked him to have both decent information mining abilities and good English proficiency that could help him fully, quickly comprehend English articles.

Shuo possessed outstanding understanding, communication, and execution abilities. He was a pleasure to work and communicate with because he always fast understood the requirements of clients, listened to the suggestions of colleagues patiently and buckled down to the tasks allocated by me with efficiency. His weekly work reports were always strongly logical and well-structured.

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

Faithfully,

XXX

Title

Microsoft

Email:

Address: