



Dear Professor:

I understand that Xu Lantian is applying for admission to your PhD's program, and has requested that I write this letter of recommendation for him.

As both his advisor and professor, I have known Xu Lantian for three years when he was admitted to Beijing Institute of Technology through the guaranteed recommendation for his great scores at undergraduate level. Xu Lantian is a self-motivated student. Since his senior year, he has participated in my laboratory research projects. Under my guidance, he has published a paper named Research on K-truss Community Search Algorithm for Temporal Networks in the Journal of Frontiers of Computer Science and Technology and has got two pending Chinese patents about blockchain.

What is more, Xu Lantian is one of the core members in our project named A distributed framework for machine learning based on Python. Although initially he lacked knowledge of distributed systems, he worked hard and became a fast learner. He quickly became familiar with the source code of Ray. What he mainly did was designing state management and fault tolerance for Ray streaming and building connectors for different data sources. In this project, he showed good communication skills, a strong sense of responsibility, team work spirit, passions for scientific research. He even fixed errors in Ray source code and became a contributor to it, which I really appreciate.

Xu Lantian is also good at his course learning. For all I know, his average score is over 88 and he won scholarships every year. It is worth mentioning that he did well in Distributed Database and Distributed System Technology, which are important foundation courses in the field of data science. In recognition of his all-round development of personal qualities, our university awarded him the honorary title of Merit Postgraduate student. I am proud to have such a student like him.

Recently, Xu Lantian is writing his graduation thesis about searching for maximal cliques and independent sets in hypergraphs. He has read a lot of references and has always been active in discussing his ideas with me. Furthermore, his questions are always thoughtful and penetrating. Xu Lantian throws himself into his assigned projects wholeheartedly, and shows every sign of having real talent in graph mining.

I am confident that he will be qualified and perform as well as he did in BIT. Therefore, I recommend him with enthusiasm. I hope that you will consider his application favorably. Please don't hesitate to contact me if you need more information.

Sincerely

Li Ronghua

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