Dear Admission Committee,

I am Shikui Tu, a professor at the Computer Science Department at Shanghai Jiao Tong University. As Jinpei Guo’s professor and lecturer, I am honored to give my strongest recommendation on his behalf as candidate for your program.

One year ago, Jinpei Guo enrolled in my Machine Learning course. Jinpei Guo’s excellent programming skills, strong mathematical foundations and enthusiasm for machine learning left a deep impression on me. He displayed a remarkable passion and curiosity while exploring machine learning topics. He actively engaged in class discussions, posed insightful questions, and provided thoughtful answers. Furthermore, he demonstrated a willingness to assist his peers, patiently explaining complex theorems to those struggling with mathematics and offering support to those with limited programming experience. At the final examination, Mr. Guo earned an outstanding score of 97 points, placing him among the top 1% of my class.

He also exhibited strong interest in machine learning project and demonstrated leadership skills. In the final course project, he led a team to explore how to achieve efficient retro-synthetic for chemical compounds. He proposed an innovative method to combine graph neural networks with Monte-Carlo tree search to improve the searching efficiency and accuracy. His team exhibited strong synergy and implemented their idea collectively. He made an impressive report on the class and the project ranked top 1 in my class.

Beyond his coursework, Jinpei Guo also made notable contributions to the research community. He published two papers at the 2023 Conference on Neural Information Processing Systems as the second author. He also submitted [one paper to 2024 IEEE International Conference on Acoustics, Speech and Signal Processing as the first author, and one paper to The Twelfth International Conference on Learning Representations as the second author. His research interests span inference and reasoning with language models, automated control, optimization and natural language processing, he exhibited strong will to pursue further study and help to push the boundaries of artificial intelligence.](https://2024.ieeeicassp.org/" \o "2024 IEEE International Conference on Acoustics, Speech and Signal Processing)

[In summary, I strongly recommend Jinpei Guo to your prestigious university. He is one of the most motivated and talented students compared with other undergraduate students whom I have taught or worked with in the past. Your favorable consideration of his admission to your program will-be highly appreciated. If further information is needed, please do not hesitate to contact me.](https://2024.ieeeicassp.org/" \o "2024 IEEE International Conference on Acoustics, Speech and Signal Processing)

[Yours Sincerely,](https://2024.ieeeicassp.org/" \o "2024 IEEE International Conference on Acoustics, Speech and Signal Processing)

[Professor Shikui Tu](https://2024.ieeeicassp.org/" \o "2024 IEEE International Conference on Acoustics, Speech and Signal Processing)